

May 27, 2025

Ms. Valeriya Remezova
Division Administrator
Attn: Ms. Jasmine Champion
Federal Highway Administration
Maryland Division
George H. Fallon Federal Building
31 Hopkins Plaza, Suite 1520
Baltimore MD 21201

Ms. Terry Garcia Crews
Regional Administrator
Attn: Ms. Laura Keeley
Federal Transit Administration, Region III
1835 Market Street, Suite 1910
Philadelphia PA 19103-2968
Dear Ms. Remezova and Ms. Crews:

The Maryland Department of Transportation (MDOT) hereby modifies to the Fiscal Year (FY) 2022-2025 Maryland Statewide Transportation Improvement Program (STIP) for projects contained in the Baltimore Regional Transportation Board's (BRTB) FY 2025-2028 Transportation Improvement Program (TIP) on behalf of the Maryland Transit Administration (MTA). This modification was approved by the BRTB Executive Committee on May 9, 2025.

Project Name	STIP #	Funding Source	FY22-FY25 Net Federal Change (in 000's)
Metro and Light Rail Rolling Stock Overhaul and Replacement	40-1804-63	STBG	\$1,502
Metro and Light Rail System Preservation and Improvement	40-1805-64	STBG	\$88

The MDOT has assigned Control #22-234 for this administrative modification to the TIP, and the supporting documentation is attached.

Ms. Valeriya Remezova
Ms. Terry Garcia Crews
Page Two

The Maryland Statewide Transportation Improvement Program (STIP) continues to be fiscally constrained. Should you have additional questions or concerns, please contact me at 410-865-1098, toll free 888-713-1414 or via e-mail at djanousek@mdot.maryland.gov.

Sincerely,

A handwritten signature in black ink that reads "Dan Janousek". The signature is written in a cursive, flowing style.

Dan Janousek
Regional Planner
Office of Planning, Programming, and Project Delivery (OPPPD)

Attachment

cc: Ms. Kari Snyder, Regional Planner, OPPPD, MDOT
Mr. Shawn Keirnan, Strategic Planner, OPPPD, MDOT



May 23, 2025

Mr. Geoff Anderson, Chief
Office of Planning, Programming, and Delivery
Attn: Mr. Dan Janousek
Maryland Department of Transportation
7201 Corporate Center Drive
Hanover, MD 21076-1415

Dear Mr. Anderson:

Enclosed are two administrative modifications to the 2025-2028 Baltimore Region Transportation Improvement Program (TIP) as approved by the Baltimore Regional Transportation Board (BRTB) Executive Committee on May 21, 2025. The documentation enclosed supports changes to the 2025-2028 TIP for two Maryland Transit Administration (MDOT MTA) administrative modifications.

- **Metro and Light Rail Rolling Stock Overhaul and Replacement: 40-1804-63**
- **Metro and Light Rail System Preservation and Improvement: 40-1805-64**

The minor changes requested are within the framework for administrative modifications and does not affect the regional conformity determination. MDOT MTA has affirmed that fiscal constraint for their Program of Projects remains intact.

Pursuant to the prescribed Transportation Improvement Program MOU signed in 2014, the BRTB Executive Committee approved these changes to the 2025–2028 TIP.



If you have any questions, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read "T. Lang", written over a light gray rectangular background.

Todd R. Lang, Director
Transportation Planning

Enclosures

cc: Ms. Michelle Martin, MDOT
Ms. Erika Falk, MDOT MTA
Ms. Kisha Joyner, MDOT MTA
Mr. Albert Guiney Engel, MDOT MTA
Ms. Jamie Richardson, MDOT MTA



Summary of FY 2025-2028 TIP Changes

Project Title	TIP Change Reason	Description	Type of Change
Metro and Light Rail Rolling Stock Overhaul and Replacement 40-1804-63	This administrative modification will add \$1.878 million (\$1.502M federal STBG funds/\$0.376M state match) for construction in FY 2025. These funds are flexed from the MDOT SHA to support the Metro Fleet and Train Control replacement project. The total project cost increases from \$116.818M to \$118.695M.	<p>Performing Mid-life Overhaul of 53 Light Rail Vehicles. Perform selective upgrades to various systems/sub-systems to address parts obsolescence, improve safety and vehicle performance, and enhance passenger comfort. The overhaul has been engineered to provide an additional 15 years of service of the light rail vehicle fleet. The Metro cars were designed with a 30 year life and are due for replacement. The Automatic Train Protection system is currently experiencing reliability issues due to its age and parts obsolescence thus increasing maintainability issues across its various systems/sub-systems. The replacement of Metro Cars and Train Control System with modern, reliable equipment will enhance passenger comfort, ensure better reliability, and improve safety. In addition to the matching funds listed, MTA has committed \$106 million in state dollars.</p> <p>Conformity Status: Exempt</p>	Admin Mod



Metro and Light Rail System Preservation and Improvement 40-1805-64	This administrative modification will add \$110,000 (\$88,000 federal STBG funds/\$22,000 state match) for construction in FY 2025. These funds are flexed from the MDOT SHA to support additional costs associated with the Light Rail Traction Power Substation replacements and the Metro Vehicle Wash at the Wabash maintenance facility. The total project increases from \$148.1M to \$148.2M.	This is an ongoing project to rehabilitate Light Rail and Metro facilities, infrastructure, track, and equipment, including replacing interlockings, repairing tunnel liners and doors, and the design and installation of new fiber optic cables. In addition to the matching funds listed, MTA has committed \$220 million in state dollars. Conformity Status: Exempt	Admin Mod
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40-1804-63 - Metro and Light Rail Rolling Stock Overhauls and Replacement

Performing Mid-life Overhaul of 53 Light Rail Vehicles. Perform selective upgrades to various systems/sub-systems to address parts obsolescence, improve safety and vehicle performance, and enhance passenger comfort. The overhaul has been engineered to provide an additional 15 years of service of the light rail vehicle fleet. The Metro cars were designed with a 30 year life and are due for replacement. The Automatic Train Protection system is currently experiencing reliability issues due to its age and parts obsolescence thus increasing maintainability issues across its various systems/sub-systems. The replacement of Metro Cars and Train Control System with modern, reliable equipment will enhance passenger comfort, ensure better reliability, and improve safety. In addition to the matching funds listed, MTA has committed \$106 million in state dollars.

Agency	MTA - Transit
Year of Operation	Ongoing
Project Category	Transit Preservation
Project Type	Fleet improvement (TP)
Conformity	Exempt
Functional Classification	NA
CIP ID	-
CTP ID	40-1804-63
Route/Road Name	-
Length	-
Existing Lanes	-
Proposed Lanes	-
Estimated Total Cost	\$118,695,713



Project Benefits	The replacement of Metro vehicles and the Signaling System with modern and reliable equipment will enhance passenger comfort, ensure better reliability and offer improved safety. The MTA's Metro Signaling System consists of a double tracked train controlled signaling system that is 15 miles long. The Metro train control system was installed in three phases and the oldest section is currently 30 yrs old. The Automatic Train Protection system is currently experiencing reliability issues due to its age and parts obsolescence thus increasing maintainability issues across its various systems and sub-systems. Light rail fleet overhaul is designed to reduce system failures and improve reliability and service.
Connection to Long-Range Transportation Planning Goals	1.C Improve System Safety -- Improve safety in all modes through traffic & transit system mgt., communications, governance and policies 2.C Improve and Maintain the Existing Infrastructure -- Maintain/replace transit vehicles 6.A Improve System Security -- Provide security-related features at transit facilities or on transit vehicles.
Project Changes	This administrative modification will add \$1.878 million (\$1.502M federal STBG funds/\$0.376M state match) for construction in FY 2025. These funds are flexed from the MDOT SHA to support the Metro Fleet and Train Control replacement project. The total project cost increases from \$116.818M to \$118.696M.

UPDATED

Phase	Fund Source	FY2025	FY2026	FY2027	FY2028	Total
CON	5307C	\$47,778,000	\$15,043,331	\$3,331,008	-	\$66,152,339
CON	5337	\$10,000,000	\$12,163,374	\$5,140,000	-	\$27,303,374
CON	State	\$14,821,000	\$6,800,000	\$2,117,000	-	\$23,738,000
CON	STBGF	\$1,502,000	-	-	-	\$1,502,000
Total CON		\$74,101,000	\$34,006,705	\$10,588,008	-	\$118,695,713
Active TIP Years		\$74,101,000	\$34,006,705	\$10,588,008	-	\$118,695,713
Total Programmed		\$74,101,000	\$34,006,705	\$10,588,008	-	\$118,695,713

PREVIOUS

Phase	Fund Source	FY2025	FY2026	FY2027	FY2028	Total
CON	5307C	\$47,778,000	\$15,043,331	\$3,331,008	-	\$66,152,339
CON	5337	\$10,000,000	\$12,163,374	\$5,140,000	-	\$27,303,374
CON	State	\$14,445,000	\$6,800,000	\$2,117,000	-	\$23,362,000
Total CON		\$72,223,000	\$34,006,705	\$10,588,008	-	\$116,817,713
Active TIP Years		\$72,223,000	\$34,006,705	\$10,588,008	-	\$116,817,713
Total Programmed		\$72,223,000	\$34,006,705	\$10,588,008	-	\$116,817,713

40-1805-64 - Metro and Light Rail System Preservation and Improvement

This is an ongoing project to rehabilitate Light Rail and Metro facilities, infrastructure, track, and equipment, including replacing interlockings, repairing tunnel liners and doors, and the design and installation of new fiber optic cables. In addition to the matching funds listed, MTA has committed \$220 million in state dollars.

Agency	MTA - Transit
Year of Operation	Ongoing
Project Category	Transit Preservation
Project Type	Preservation and improvements (TP)
Conformity	Exempt
Functional Classification	NA
CIP ID	-
CTP ID	40-1805-64
Route/Road Name	-
Length	-
Existing Lanes	-
Proposed Lanes	-
Estimated Total Cost	\$148,272,621



Project Benefits	The associated projects support regional management and operation initiatives to improve service and safety and assure the preservation of the Light Rail and Metro systems.
Connection to Long-Range Transportation Planning Goals	2.C Improve and Maintain the Existing Infrastructure -- Maintain/replace transit vehicles 3.G Improve Accessibility -- Encourage private sector to provide access on commercial property for bikes, peds, transit users and shared mobility users 2.E Improve and Maintain the Existing Infrastructure -- Improve the condition of transit infrastructure and stations/stops
Project Changes	This administrative modification will add \$110,000 (\$88,000 federal STBG funds/\$22,000 state match) for construction in FY 2025. These funds are flexed from the MDOT SHA to support additional costs associated with the Light Rail Traction Power Substation replacements and the Metro Vehicle Wash at the Wabash maintenance facility. The total project cost increases from \$148.1M to \$148.2M.

UPDATED

Phase	Fund Source	FY2025	FY2026	FY2027	FY2028	Total
CON	5307C	\$32,536,000	-	\$28,268,000	\$29,135,834	\$89,939,834
CON	5337	\$6,538,000	-	\$8,020,000	\$14,031,862	\$28,589,862
CON	State	\$9,791,000	-	\$9,072,000	\$10,791,925	\$29,654,925
CON	STBGF	\$88,000	-	-	-	\$88,000
Total CON		\$48,953,000	-	\$45,360,000	\$53,959,621	\$148,272,621
Active TIP Years		\$48,953,000	-	\$45,360,000	\$53,959,621	\$148,272,621
Total Programmed		\$48,953,000	-	\$45,360,000	\$53,959,621	\$148,272,621

PREVIOUS

Phase	Fund Source	FY2025	FY2026	FY2027	FY2028	Total
CON	5307C	\$32,536,000	-	\$28,268,000	\$29,135,834	\$89,939,834
CON	5337	\$6,538,000	-	\$8,020,000	\$14,031,862	\$28,589,862
CON	State	\$9,769,000	-	\$9,072,000	\$10,791,925	\$29,632,925
Total CON		\$48,843,000	-	\$45,360,000	\$53,959,621	\$148,162,621
Active TIP Years		\$48,843,000	-	\$45,360,000	\$53,959,621	\$148,162,621
Total Programmed		\$48,843,000	-	\$45,360,000	\$53,959,621	\$148,162,621

April 23, 2025

Mr. Todd Lang
Transportation Planning Director
ATTN: Ms. Ndemazea Fonkem
Baltimore Metropolitan Council
1500 Whetstone Way, Suite 300
Baltimore Maryland 21230

Dear Mr. Lang:

The Maryland Department of Transportation (MDOT) requests an administrative modification to the FY 2025-2028 Baltimore Regional Transportation Board (BRTB) Transportation Improvement Program (TIP) for two Maryland Transit Administration (MTA) projects.

1. 40-1805-64 Metro and Light Rail System Preservation and Improvement	This administrative modification will add \$88,000 in STBG funds and \$22,000 in state matching funds in FY 2025.
2. 40-1804-63 Metro and Light Rail Rolling Stock Overhaul and Replacement	This modification will add \$1,502,000 in STBG funds and \$376,000 in state matching funds to FY 2025.

Details of these modifications are attached. If you have questions or need additional information, please contact me at 410-865-1098, or via email at djanousek@mdot.maryland.gov for assistance.

Sincerely,

Dan Janousek

Dan Janousek
Regional Planner
Office of Planning, Programming & Project Delivery

Attachment

cc: Ms. Kari Snyder, Regional Planner, OPPPD, MDOT
Mr. Shawn Kiernan, Strategic and Regional Planner, OPPPD, MDOT

TO: DIRECTOR MICHELLE MARTIN
OFFICE OF PLANNING, PROGRAMMING, AND PROJECT DELIVERY
MARYLAND DEPARTMENT OF TRANSPORTATION (MDOT)

ATTN: OPPPD REGIONAL PLANNER DAN JANOUSEK
OPPPD REGIONAL PLANNER KARI SNYDER

FROM: DIRECTOR ERIC BECKETT *Eric Beckett*
OFFICE OF CAPITAL PROGRAMMING AND ASSET MANAGEMENT
MARYLAND TRANSIT ADMINISTRATION (MTA)

DATE: APRIL 23, 2025

SUBJECT: REQUEST FOR AN ADMINISTRATIVE MODIFICATION TO THE FISCAL
YEAR 2025-2028 BALTIMORE REGIONAL TRANSPORTATION BOARD
(BRTB) TRANSPORTATION IMPROVEMENT PROGRAM (TIP)

PURPOSE OF MEMORANDUM

To request OPPPD request BRTB to approve the following TIP administrative modification and, upon BRTB approval, notify the Federal Transit Administration (FTA) of the modification to the BRTB FY 2025-FY2028 TIP. This administrative modification will add \$88,000 in STBG funds and \$22,000 in state matching funds.

SUMMARY

The MTA requests that the BRTB amend the FY 2025-20278 BRTB TIP to reflect the following action.

TIP	PROJECT	FUNDING TYPE	NEW FUNDING
40-1805-64	Metro and Light Rail System Preservation and Improvement	STBG	\$88,000
		State	\$22,000

ANALYSIS

The MTA is working with SHA to flex over \$88,000 in STBG to support additional costs associated with the Light Rail Traction Power Substation replacements and the Metro Vehicle Wash at the Wabash maintenance facility. This administrative modification will add \$88,000 in STBG funds and \$22,000 in state matching funds to FY 25.

The attached Statewide Transportation Improvement Program (STIP) report documents MDOT's requested modification with respect to funding for the project above. The requested action will not impact scheduling or funding availability for other projects in the current STIP, which continues to be fiscally constrained.

Please modify the FY2025-2028 BRTB TIP and the FY 2022-2025 STIP to reflect the funding information provided in the attachments. If you have any questions, please do not hesitate to contact Mr. Albert Guiney Engel, MDOT MTA Office of Planning and Capital Programming, at 410-767-3752 or via email at aengel@mdot.maryland.gov.

ATTACHMENTS

- FY 2025-2028 BRTB TIP Project Report
- FY 2022-2025 Maryland STIP Project Report

cc: Mr. Erika Falk, Assistant Manager, Office of Capital Programming and Asset Management, MTA
Ms. Kisha Joyner, Assistant Manager, Capital Programming and Asset Management, MTA
Mr. Albert Guiney Engel, Assistant Manager, Baltimore Project Development, MTA
Ms. Jamie Richardson, Manager, Baltimore Project Development, MTA

Metro and Light Rail System Preservation and Improvement

TIP ID #	40-1805-64	Year of Operation	Ongoing
Agency	MTA - Transit	Project Type	Preservation and improvements
Project Category	Transit	Functional Class	NA
Conformity Status	Exempt	Physical Data	NA
CIP / CTP Page #	Multiple	Est. Total Cost	\$ 148,159

Description	Justification
This is an ongoing project to rehabilitate Light Rail and Metro facilities, infrastructure, track, and equipment, including replacing interlockings, repairing tunnel liners and doors, and the design and installation of new fiber optic cables. In addition to the matching funds listed, MTA has committed \$220 million in state dollars.	The associated projects support regional management and operation initiatives to improve service and safety and assure the preservation of the Light Rail and Metro system.

Section 5307 Urbanized Area Formula Program (funding for capital projects)

	Previous Requests		Annual Element		Federal Funding Requests (\$000)						Project Totals
Phase	Previous Federal Funds	Previous Matching Funds	FY2025 Federal Funds	FY2025 Matching Funds	FY2026 Federal Funds	FY2026 Matching Funds	FY2027 Federal Funds	FY2027 Matching Funds	FY2028 Federal Funds	FY2028 Matching Funds	Estimated Project Total
CON	\$ -	\$ -	\$ 32,536	\$ 8,134	\$ -	\$ -	\$ 28,268	\$ 7,067	\$ 29,135	\$ 7,283	\$ 112,423
OTH	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PE	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PP	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
ROW	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Totals	\$ -	\$ -	\$ 32,536	\$ 8,134	\$ -	\$ -	\$ 28,268	\$ 7,067	\$ 29,135	\$ 7,283	\$ 112,423

STBG											
	Previous Requests		Annual Element		Federal Funding Requests (\$000)						Project Totals
Phase	Previous Federal Funds	Previous Matching Funds	FY2025 Federal Funds	FY2025 Matching Funds	FY2026 Federal Funds	FY2026 Matching Funds	FY2027 Federal Funds	FY2027 Matching Funds	FY2028 Federal Funds	FY2028 Matching Funds	Estimated Project Total
CON	\$ -	\$ -	\$ 88	\$ 22	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 110
OTH	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PE	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PP	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
ROW	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Totals	\$ -	\$ -	\$ 88	\$ 22	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 110
Section 5337											
	Previous Requests		Annual Element		Federal Funding Requests (\$000)						Project Totals
Phase	Previous Federal Funds	Previous Matching Funds	FY2025 Federal Funds	FY2025 Matching Funds	FY2026 Federal Funds	FY2026 Matching Funds	FY2027 Federal Funds	FY2027 Matching Funds	FY2028 Federal Funds	FY2028 Matching Funds	Estimated Project Total
CON	\$ -	\$ -	\$ 6,538	\$ 1,635	\$ -	\$ -	\$ 8,020	\$ 2,005	\$ 14,031	\$ 3,507	\$ 35,736
OTH	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PE	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PP	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
ROW	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Totals	\$ -	\$ -	\$ 6,538	\$ 1,635	\$ -	\$ -	\$ 8,020	\$ 2,005	\$ 14,031	\$ 3,507	\$ 35,736
Funding Source(s) Total											
	Previous Requests		Annual Element		Federal Funding Requests (\$000)						Project Totals
Totals	\$ -	\$ -	\$ 39,162	\$ 9,791	\$ -	\$ -	\$ 36,288	\$ 9,072	\$ 43,166	\$ 10,790	\$ 148,269

MARYLAND STATEWIDE TIP FY 2022-2025

MDOT TIP ID: 40-1805-64

SUMMARY TABLE

Project:	Amendment Criteria	Conformity Status	Environmental Status	Current Funding Level (000s)		
				Federal	State/Local	Total
Metro and Light Rail System Preservation and Improvement	B	Exempt		\$ 39,074	\$ 9,769	\$ 48,843
	Administration	Area/MPO	CTP Page	Net Funding Change (000s)		
				Federal	State/Local	Total
	MTA	BRTB	Multiple	\$ 88	\$ 22	\$ 110
Description:	This is an ongoing project to rehabilitate Light Rail and Metro facilities, infrastructure, track, and equipment, including replacing interlockings, repairing tunnel liners and doors, and the design and installation of new fiber optic cables. In addition to the matching funds listed, MTA has committed \$220 million in state dollars.					
Justification:	The associated projects support regional management and operation initiatives to improve service and safety and assure the preservation of the Light Rail and Metro system.					

INDIVIDUAL REQUEST FORM

STIP/TIP Amendment Criteria		Funding	FY 2022	FY 2023	FY 2024	FY 2025	Total
<input type="checkbox"/> A) Adds new individual projects to the current STIP	Current (000s)	Total	\$ -	\$ -	\$ -	\$ 48,843	\$ 48,843
		Federal	\$ -	\$ -	\$ -	\$ 39,074	\$ 39,074
		State/Local	\$ -	\$ -	\$ -	\$ 9,769	\$ 9,769
		Total	\$ -	\$ -	\$ -	\$ 48,953	\$ 48,953
<input checked="" type="checkbox"/> B) Increase/decrease, scope change, advance, delay, or phase change	Proposed (000s)	Federal	\$ -	\$ -	\$ -	\$ 39,162	\$ 39,162
		State/Local	\$ -	\$ -	\$ -	\$ 9,791	\$ 9,791
		Total	\$ -	\$ -	\$ -	\$ 110	\$ 110
		Federal	\$ -	\$ -	\$ -	\$ 88	\$ 88
<input type="checkbox"/> C) Removes or deletes individual listed project from the STIP	Change (000s)	State/Local	\$ -	\$ -	\$ -	\$ 22	\$ 22
		Total	\$ -	\$ -	\$ -	\$ -	\$ -
<input type="checkbox"/> D) Other							



MARYLAND DEPARTMENT OF TRANSPORTATION

PHASE DETAIL

Current		FY 2022		FY 2023		FY 2024		FY 2025		TOTAL		
Phase	Funding	Federal	State/Local	Federal	State/Local	Federal	State/Local	Federal	State/Local	Federal	State/Local	Total
CO	5307	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 32,536	\$ 8,134	\$ 32,536	\$ 8,134	\$ 40,670
CO	5337	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,538	\$ 1,635	\$ 6,538	\$ 1,635	\$ 8,173
CO	STBG	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 39,074	\$ 9,769	\$ 39,074	\$ 9,769	\$ 48,843

Proposed		FY 2022		FY 2023		FY 2024		FY 2025		TOTAL		
Phase	Funding	Federal	State/Local	Federal	State/Local	Federal	State/Local	Federal	State/Local	Federal	State/Local	Total
CO	5307	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 32,536	\$ 8,134	\$ 32,536	\$ 8,134	\$ 40,670
CO	5337	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,538	\$ 1,635	\$ 6,538	\$ 1,635	\$ 8,173
CO	STBG	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 88	\$ 22	\$ 88	\$ 22	\$ 110
		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 39,162	\$ 9,791	\$ 39,162	\$ 9,791	\$ 48,953

Change		FY 2022		FY 2023		FY 2024		FY 2025		TOTAL		
Phase	Funding	Federal	State/Local	Federal	State/Local	Federal	State/Local	Federal	State/Local	Federal	State/Local	Total
CO	5307	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CO	5337	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CO	STBG	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 88	\$ 22	\$ 88	\$ 22	\$ 110
		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 88	\$ 22	\$ 88	\$ 22	\$ 110

TOTAL PROJECT COST

Prior Cost (≤ FY 2021)		STIP Cost (FY 2022-2025)		Balance to Complete (≥ FY 2026)		Total Project Cost	
Federal	\$ -	Federal	\$ 39,162	Federal	\$ 79,454	Federal	\$ 118,616
State/Local	\$ -	State/Local	\$ 9,791	State/Local	\$ 19,862	State/Local	\$ 29,653
Total	\$ -	Total	\$ 48,953	Total	\$ 99,316	Total	\$ 148,269

TO: DIRECTOR MICHELLE MARTIN
OFFICE OF PLANNING, PROGRAMMING, AND PROJECT DELIVERY
MARYLAND DEPARTMENT OF TRANSPORTATION (MDOT)

ATTN: OPPPD REGIONAL PLANNER KARI SNYDER
OPPPD REGIONAL PLANNER DAN JANOUSEK

FROM: DIRECTOR ERIC BECKETT *Eric Beckett*
OFFICE OF CAPITAL PROGRAMMING AND ASSET MANAGEMENT
MARYLAND TRANSIT ADMINISTRATION (MTA)

DATE: APRIL 23, 2025

SUBJECT: REQUEST FOR AN ADMINISTRATIVE MODIFICATION TO THE FISCAL
YEAR 2025-2028 BALTIMORE REGIONAL TRANSPORTATION BOARD
(BRTB) TRANSPORTATION IMPROVEMENT PROGRAM (TIP)

PURPOSE OF MEMORANDUM

To request OPPPD request BRTB to approve the following TIP administrative modification and, upon BRTB approval, notify the Federal Transit Administration (FTA) of the administrative modification to the BRTB FY 2025-FY2028 TIP. This modification will add \$1,502,000 in STBG funds and \$376,000 in state matching funds to FY 25.

SUMMARY

The MTA requests that the BRTB modify the FY 2025-2028 BRTB TIP to reflect the following action.

TIP	PROJECT	FUNDING TYPE	NEW FUNDING
40-1804-63	Metro and Light Rail Rolling Stock Overhaul and Replacement	STBG	\$1,502,000
		STATE	\$ 376,000

Ms. Michelle Martin
Page Two

ANALYSIS

The MTA is working with the State Highway Administration to flex over \$1,502,000 in STBG funds to support the Metro Fleet and Train Control replacement project. MTA intends to flex these funds over in FY 25.

The attached Statewide Transportation Improvement Program (STIP) report documents MDOT's requested administrative modification with respect to funding for the project above. The requested action will not impact scheduling or funding availability for other projects in the current STIP, which continues to be fiscally constrained.

Please modify the FY2025-2028 BRTB TIP and the FY 2022-2025 STIP to reflect the funding information provided in the attachments. If you have any questions, please do not hesitate to contact Mr. Albert Guiney Engel, MDOT MTA Office of Planning and Capital Programming, at 410-767-3752 or via email at aengel@mdot.maryland.gov.

ATTACHMENTS

- FY 2025-2028 BRTB TIP Project Report
- FY 2022-2025 Maryland STIP Project Report

cc: Mr. Erika Falk, Assistant Manager, Office of Capital Programming and Asset Management, MTA
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Metro and Light Rail Rolling Stock Overhaul and Replacement

TIP ID #	40-1804-63	Year of Operation	Ongoing
Agency	MTA - Transit	Project Type	Fleet Improvement
Project Category	Transit	Functional Class	NA
Conformity Status	Exempt	Physical Data	NA
CIP / CTP Page #	Multiple	Est. Total Cost	\$ 118,694,000

Description	Justification
Performing Mid-life Overhaul of 53 Light Rail Vehicles. Perform selective upgrades to various systems/sub-systems to address parts obsolescence, improve safety and vehicle performance, and enhance passenger comfort. The overhaul has been engineered to provide an additional 15 years of service of the light rail vehicle fleet. The Metro cars were designed with a 30 year life and are now due for replacement. The Automatic Train Protection system is currently experiencing reliability issues due to its age and parts obsolescence thus increasing maintainability issues across its various systems and sub-systems. The replacement of Metro Cars and Train Control System with modern, reliable equipment will enhance passenger comfort, ensure better reliability, and improve safety. In addition to the matching funds listed,	The replacement of Metro vehicles and the Signaling System with modern and reliable equipment will enhance passenger comfort, ensure better reliability and offer improved safety. The MTA's Metro Signaling System consists of a double tracked train controlled signaling system that is 15 miles long. The Metro train control system was installed in three phases and the oldest section is currently 30 yrs old. The Automatic Train Protection system is currently experiencing reliability issues due to its age and parts obsolescence thus increasing maintainability issues across its various systems and sub-systems. The replacement of the Signaling System with modern, reliable equipment will enhance passenger comfort, ensure better reliability and offer improved safety. Light rail fleet overhaul is designed to reduce system failures and improve reliability and

STBG Y-230

Phase	Previous Requests		Annual Element		Federal Funding Requests (\$000)						Project Totals
	Previous Federal Funds	Previous Matching Funds	FY2025 Federal Funds	FY2025 Matching Funds	FY2026 Federal Funds	FY2026 Matching Funds	FY2027 Federal Funds	FY2027 Matching Funds	FY2028 Federal Funds	FY2028 Matching Funds	Estimated Project Total
CON	\$ -	\$ -	\$ 1,502	\$ 376	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,878
OTH	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PE	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PP	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
ROW	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Totals	\$ -	\$ -	\$ 1,502	\$ 376	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,878

Section 5307 Urbanized Area Formula Program (funding for capital projects)

	Previous Requests		Annual Element		Federal Funding Requests (\$000)						Project Totals
Phase	Previous Federal Funds	Previous Matching Funds	FY2025 Federal Funds	FY2025 Matching Funds	FY2026 Federal Funds	FY2026 Matching Funds	FY2027 Federal Funds	FY2027 Matching Funds	FY2028 Federal Funds	FY2028 Matching Funds	Estimated Project Total
CON	\$ -	\$ -	\$ 47,778	\$ 11,945	\$ 15,043	\$ 3,760	\$ 3,331	\$ 832	\$ -	\$ -	\$ 82,689
OTH	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PE	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PP	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
ROW	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Totals	\$ -	\$ -	\$ 47,778	\$ 11,945	\$ 15,043	\$ 3,760	\$ 3,331	\$ 832	\$ -	\$ -	\$ 82,689

5337

	Previous Requests		Annual Element		Federal Funding Requests (\$000)						Project Totals
Phase	Previous Federal Funds	Previous Matching Funds	FY2025 Federal Funds	FY2025 Matching Funds	FY2026 Federal Funds	FY2026 Matching Funds	FY2027 Federal Funds	FY2027 Matching Funds	FY2028 Federal Funds	FY2028 Matching Funds	Estimated Project Total
CON	\$ -	\$ -	\$ 10,000	\$ 2,500	\$ 12,163	\$ 3,040	\$ 5,140	\$ 1,285	\$ -	\$ -	\$ 34,128
OTH	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PE	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PP	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
ROW	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Totals	\$ -	\$ -	\$ 10,000	\$ 2,500	\$ 12,163	\$ 3,040	\$ 5,140	\$ 1,285	\$ -	\$ -	\$ 34,128

Funding Source(s) Total

	Previous Requests		Annual Element		Federal Funding Requests (\$000)						Project Totals
Totals	\$ -	\$ -	\$ 59,280	\$ 14,820	\$ 27,206	\$ 6,800	\$ 8,471	\$ 2,117	\$ -	\$ -	\$ 118,694


MARYLAND STATEWIDE TIP FY 2022-2025

MDOT TIP ID: 40-1804-63

SUMMARY TABLE

Project:	Amendment Criteria	Conformity Status	Environmental Status	Current Funding Level (000s)		
				Federal	State/Local	Total
Metro and Light Rail Rolling Stock Overhaul and Replacement	B	Exempt		\$ 57,778	\$ 14,445	\$ 72,223
	Administration	Area/MPO	CTP Page	Net Funding Change (000s)		
				Federal	State/Local	Total
	MTA	BRTB	Multiple	\$ 1,502	\$ 376	\$ 1,878
Description:	Performing Mid-life Overhaul of 53 Light Rail Vehicles. Perform selective upgrades to various systems/sub-systems to address parts obsolescence, improve safety and vehicle performance, and enhance passenger comfort. The overhaul has been engineered to provide an additional 15 years of service of the light rail vehicle fleet. The Metro cars were designed with a 30 year life and are now due for replacement. The Automatic Train Protection system is currently experiencing reliability issues due to its age and parts obsolescence thus increasing maintainability issues across its various systems and sub-systems. The replacement of Metro Cars and Train Control System with modern, reliable equipment will enhance passenger comfort, ensure better reliability, and improve safety.					
Justification:	The replacement of Metro vehicles and the Signaling System with modern and reliable equipment will enhance passenger comfort, ensure better reliability and offer improved safety. The MTA's Metro Signaling System consists of a double tracked train controlled signaling system that is 15 miles long. The Metro train control system was installed in three phases and the oldest section is currently 30 yrs old. The Automatic Train Protection system is currently experiencing reliability issues due to its age and parts obsolescence thus increasing maintainability issues across its various systems and sub-systems. The replacement of the Signaling System with modern, reliable equipment will enhance passenger comfort, ensure better reliability and offer improved safety. Light rail fleet overhaul is designed to reduce system failures and improve reliability and service.					

INDIVIDUAL REQUEST FORM

STIP/TIP Amendment Criteria		Funding	FY 2022	FY 2023	FY 2024	FY 2025	Total
<input type="checkbox"/> A) Adds new individual projects to the current STIP <input checked="" type="checkbox"/> B) Increase/decrease, scope change, advance, delay, or phase change <input type="checkbox"/> C) Removes or deletes individual listed project from the STIP <input type="checkbox"/> D) Other	Current (000s)	Total	\$ -	\$ -	\$ -	\$ 72,223	\$ 72,223
		Federal	\$ -	\$ -	\$ -	\$ 57,778	\$ 57,778
		State/Local	\$ -	\$ -	\$ -	\$ 14,445	\$ 14,445
	Proposed (000s)	Total	\$ -	\$ -	\$ -	\$ 74,101	\$ 74,101
		Federal	\$ -	\$ -	\$ -	\$ 59,280	\$ 59,280
		State/Local	\$ -	\$ -	\$ -	\$ 14,821	\$ 14,821
	Change (000s)	Total	\$ -	\$ -	\$ -	\$ 1,878	\$ 1,878
		Federal	\$ -	\$ -	\$ -	\$ 1,502	\$ 1,502
		State/Local	\$ -	\$ -	\$ -	\$ 376	\$ 376

PHASE DETAIL

Current		FY 2022		FY 2023		FY 2024		FY 2025		TOTAL		
Phase	Funding	Federal	State/Local	Federal	State/Local	Federal	State/Local	Federal	State/Local	Federal	State/Local	Total
CO	5307	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 47,778	\$ 11,945	\$ 47,778	\$ 11,945	\$ 59,723
CO	5337	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10,000	\$ 2,500	\$ 10,000	\$ 2,500	\$ 12,500
CO	STBG	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 57,778	\$ 14,445	\$ 57,778	\$ 14,445	\$ 72,223

Proposed		FY 2022		FY 2023		FY 2024		FY 2025		TOTAL		
Phase	Funding	Federal	State/Local	Federal	State/Local	Federal	State/Local	Federal	State/Local	Federal	State/Local	Total
CO	5307	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 47,778	\$ 11,945	\$ 47,778	\$ 11,945	\$ 59,723
CO	5337	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10,000	\$ 2,500	\$ 10,000	\$ 2,500	\$ 12,500
CO	STBG	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,502	\$ 376	\$ 1,502	\$ 376	\$ 1,878
		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 59,280	\$ 14,821	\$ 59,280	\$ 14,821	\$ 74,101

Change		FY 2022		FY 2023		FY 2024		FY 2025		TOTAL		
Phase	Funding	Federal	State/Local	Federal	State/Local	Federal	State/Local	Federal	State/Local	Federal	State/Local	Total
CO	5307	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CO	5337	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CO	STBG	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,502	\$ 376	\$ 1,502	\$ 376	\$ 1,878
		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,502	\$ 376	\$ 1,502	\$ 376	\$ 1,878

TOTAL PROJECT COST

Prior Cost (≤ FY 2021)		STIP Cost (FY 2022-2025)		Balance to Complete (≥ FY 2026)		Total Project Cost	
Federal	\$ -	Federal	\$ 59,280	Federal	\$ 35,677	Federal	\$ 94,957
State/Local	\$ -	State/Local	\$ 14,821	State/Local	\$ 8,916	State/Local	\$ 23,737
Total	\$ -	Total	\$ 74,101	Total	\$ 44,593	Total	\$ 118,694