



**Maryland Department of Transportation**  
The Secretary's Office

**Larry Hogan**  
Governor

**Boyd K. Rutherford**  
Lt. Governor

**Pete K. Rahn**  
Secretary

July 30, 2018

Mr. Gregory Murrill  
Division Administrator  
Attn: Dr. Kwame Arhin  
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: Mr. Ryan Long  
Federal Transit Administration  
1760 Market Street, Suite 500  
Philadelphia PA 19103

Dear Mr. Murrill and Ms. Crews:

The Maryland Department of Transportation (MDOT) hereby modifies the Fiscal Year (FY) 2017 Maryland Statewide Transportation Improvement Program (STIP) to reflect changes to the Baltimore Regional Transportation Board (BRTB) transit portion of the Baltimore Region's FY2018 – FY2021 Transportation Improvement Program (TIP).

The modification reflects an increase in Sections 5337 funds due to an accelerated payment schedule for commuter rail corridor infrastructure improvements. The BRTB Executive Committee approved the modification to the Baltimore Region's TIP on July 20, 2018.

The MDOT has assigned Control #17-119 for this administrative modification to the STIP. The approval and supporting documentation are attached.

<b>Project Name</b>	<b>STIP #</b>	<b>TIP #</b>	<b>Funding Category</b>	<b>FY17-20 Net Federal Change (000's)</b>
MARC Improvements	70-1502-54	70-1502-54	5337	\$6.8

My telephone number is \_\_\_\_\_  
Toll Free Number 1-888-713-1414 TTY Users Call Via MD Relay  
7201 Corporate Center Drive, Hanover, Maryland 21076

Mr. Gregory Murrill  
Ms. Terry Garcia Crews  
Page Two

The Maryland Statewide Transportation Improvement Program continues to be fiscally constrained.

Should you have additional questions or concerns, please contact Mr. Dan Janousek at 410-865-1098, toll free 888-713-1414 or via e-mail at [djanousek@mdot.state.md.us](mailto:djanousek@mdot.state.md.us). Of course, please feel free to contact me directly.

Sincerely,

A handwritten signature in blue ink that reads "Tyson Byrne". The signature is fluid and cursive, with the first name "Tyson" and the last name "Byrne" clearly distinguishable.

Tyson Byrne  
Regional Planning Manager  
Office of Planning and Capital Programming

Attachment

cc: Mr. Dan Janousek, Regional Planner, OPCP, MDOT



July 20, 2018

Ms. Heather Murphy  
Office of Planning & Capital Programming  
Attn: Mr. Dan Janousek  
Maryland Department of Transportation  
7201 Corporate Center Drive  
Hanover, MD 21076-1415

Dear Ms. Murphy:

Enclosed is one Administrative Modification to the *2018 – 2021 Baltimore Region Transportation Improvement Program (TIP)* as approved by the BRTB Executive Committee on July 20, 2018. The documentation enclosed supports changes to the *2018 – 2021 TIP* for one Maryland Transit Administration project:

- **MARC Improvements: 70-1502-54**

This minor change is within the framework for an Administrative Modification and does not impact conformity. 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 this change to the *2018 – 2021 TIP*.



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

Sincerely,

A handwritten signature in black ink that reads "Regina Arbo for TRL". The signature is written in a cursive style.

Todd R. Lang, Director  
Transportation Planning

Enclosures

cc: Mr. Jacob Dunkle, Maryland Transit Administration  
Ms. Laurie Brown, Maryland Transit Administration



**Summary of FY 2018-2021 TIP Changes**

Project Title	TIP Change Reason	Description	Type of Change
MARC Improvements: 70-1502-54	This administrative modification updates FTA Section 5337 funds due to an accelerated payment schedule for the Northeastern Corridor infrastructure improvements. Section 5337 funds increase in the amount of \$6.786 million along with \$1.697 million in matching funds. Total funding in the TIP increases from \$55.099 million to \$63.582 million.	<p>This project provides funding to implement ongoing improvements derived from the MARC Master Plan and Amtrak/CSX Operating Agreements. Projects include: improvements to the Penn line, improvements to the Brunswick and Camden lines, system-wide parking lot improvements, the design, procurement, and installation of an ADA compliant public address system at all MARC stations on the Brunswick, Camden, and Penn lines, implementation and development of Positive Train Control for MARC (PTC is funded through Section 3028), audio/visual warning system for approaching MARC trains, and the collaborative cost-sharing arrangement to advance development of the Northeast corridor infrastructure. In addition to the matching funds listed, MTA has committed \$11.917 million in state dollars.</p> <p><b>Conformity Status: Exempt</b></p>	Admin Mod

### MARC Improvements

<b>TIP ID</b>	70-1502-54	<b>Year of Operation</b>	Ongoing
<b>Agency</b>	MTA - Commuter Rail	<b>Project Type</b>	Preservation and improvements
<b>Project Category</b>	Commuter Rail	<b>Functional Class</b>	NA
<b>Conformity Status</b>	Exempt	<b>Physical Data</b>	NA
<b>CIP or CTP ID(s)</b>	Multiple	<b>Est. Total Cost</b>	\$63,582,000

**Description:**

This project provides funding to implement ongoing improvements derived from the MARC Master Plan and Amtrak/CSX Operating Agreements. Projects include: improvements to the Penn line, improvements to the Brunswick and Camden lines, system-wide parking lot improvements, the design, procurement, and installation of an ADA compliant public address system at all MARC stations on the Brunswick, Camden, and Penn lines, implementation and development of Positive Train Control for MARC (PTC is funded through Section 3028), audio/visual warning system for approaching MARC trains, and the collaborative cost-sharing arrangement to advance development of the Northeast corridor infrastructure. In addition to the matching funds listed, MTA has committed \$11.917 million in state dollars.

**Justification:**

Investments in passenger rail corridor infrastructure improvements are necessary to maintain/improve the safety and quality of MARC infrastructure.

**Administrative Modification:** This administrative modification updates FTA Section 5337 funds due to an accelerated payment schedule for the Northeastern Corridor infrastructure improvements. Section 5337 funds increase in the amount of \$6.786 million along with \$1.697 million in matching funds. Total funding in the TIP increases from \$55.099 million to \$63.582 million.

**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.
- 3.G Improve Accessibility -- Improve system connectivity and continuity among modes and across boundaries.





MARC Improvements

(Funding in Thousands)

Section 3028 (Commuter Rail Positive Train Control Grant Program) ORIGINAL

Phase	FY 2018 Federal Funds	FY 2018 Matching Funds	FY 2019 Federal Funds	FY 2019 Matching Funds	FY 2020 Federal Funds	FY 2020 Matching Funds	FY 2021 Federal Funds	FY 2021 Matching Funds	Total Four-Year Funding Request
CON	\$4,720	\$1,180	\$0	\$0	\$0	\$0	\$0	\$0	\$5,900
OTH	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
PE	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
PP	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ROW	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Subtotal	\$4,720	\$1,180	\$0	\$0	\$0	\$0	\$0	\$0	\$5,900

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

Phase	FY 2018 Federal Funds	FY 2018 Matching Funds	FY 2019 Federal Funds	FY 2019 Matching Funds	FY 2020 Federal Funds	FY 2020 Matching Funds	FY 2021 Federal Funds	FY 2021 Matching Funds	Total Four-Year Funding Request
CON	\$0	\$0	\$241	\$60	\$1,187	\$297	\$2,412	\$603	\$4,800
OTH	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
PE	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
PP	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ROW	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Subtotal	\$0	\$0	\$241	\$60	\$1,187	\$297	\$2,412	\$603	\$4,800

Section 5337 (State of Good Repair Formula Program) ORIGINAL

Phase	FY 2018 Federal Funds	FY 2018 Matching Funds	FY 2019 Federal Funds	FY 2019 Matching Funds	FY 2020 Federal Funds	FY 2020 Matching Funds	FY 2021 Federal Funds	FY 2021 Matching Funds	Total Four-Year Funding Request
CON	\$4,104	\$1,026	\$10,322	\$2,581	\$14,958	\$3,739	\$6,135	\$1,534	\$44,399
OTH	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
PE	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
PP	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ROW	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Subtotal	\$4,104	\$1,026	\$10,322	\$2,581	\$14,958	\$3,739	\$6,135	\$1,534	\$44,399
Total	\$8,824	\$2,206	\$10,563	\$2,641	\$16,145	\$4,036	\$8,547	\$2,137	\$55,099



MARC Improvements

(Funding in Thousands)

Section 3028 (Commuter Rail Positive Train Control Grant Program) **UNCHANGED**

Phase	FY 2018 Federal Funds	FY 2018 Matching Funds	FY 2019 Federal Funds	FY 2019 Matching Funds	FY 2020 Federal Funds	FY 2020 Matching Funds	FY 2021 Federal Funds	FY 2021 Matching Funds	Total Four-Year Funding Request
CON	\$4,720	\$1,180	\$0	\$0	\$0	\$0	\$0	\$0	\$5,900
OTH	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
PE	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
PP	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ROW	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Subtotal	\$4,720	\$1,180	\$0	\$0	\$0	\$0	\$0	\$0	\$5,900

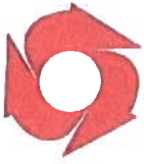
Section 5307 Urbanized Area Formula Program (funding for capital projects) **UNCHANGED**

Phase	FY 2018 Federal Funds	FY 2018 Matching Funds	FY 2019 Federal Funds	FY 2019 Matching Funds	FY 2020 Federal Funds	FY 2020 Matching Funds	FY 2021 Federal Funds	FY 2021 Matching Funds	Total Four-Year Funding Request
CON	\$0	\$0	\$241	\$60	\$1,187	\$297	\$2,412	\$603	\$4,800
OTH	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
PE	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
PP	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ROW	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Subtotal	\$0	\$0	\$241	\$60	\$1,187	\$297	\$2,412	\$603	\$4,800

Section 5337 (State of Good Repair Formula Program) **UPDATE**

Phase	FY 2018 Federal Funds	FY 2018 Matching Funds	FY 2019 Federal Funds	FY 2019 Matching Funds	FY 2020 Federal Funds	FY 2020 Matching Funds	FY 2021 Federal Funds	FY 2021 Matching Funds	Total Four-Year Funding Request
CON	\$10,890	\$2,723	\$10,322	\$2,581	\$14,958	\$3,739	\$6,135	\$1,534	\$52,882
OTH	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
PE	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
PP	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ROW	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Subtotal	\$10,890	\$2,723	\$10,322	\$2,581	\$14,958	\$3,739	\$6,135	\$1,534	\$52,882
Total	\$15,610	\$3,903	\$10,563	\$2,641	\$16,145	\$4,036	\$8,547	\$2,137	\$63,582





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Lt. Governor

**Pete K. Rahn**  
Secretary

July 10, 2018

Mr. Todd R. Lang  
Transportation Planning Director  
ATTN: Mr. Zach Kaufman  
Offices @ McHenry Row  
1500 Whetstone Way, Suite 300  
Baltimore, Maryland 21230

Dear Mr. Lang:

The Maryland Department of Transportation (MDOT) is requesting a modification to the FY 2018-2021 Baltimore Region Transportation Improvement Program (TIP). The purpose of this modification is to reflect a change to Section 5337 (TIP ID #70-1502-54), for Federal funding for transit projects in FY 2018.

Details of this modification can be found on the attached request memorandum and Transportation Improvement Program documentation. The MDOT assures that these changes do not adversely affect the fiscal constraint of the TIP.

If you have questions or need additional information, please contact Dan Janousek, Office of Planning and Capital Programming (OPCP) Regional Planner at 410-865-1098, or via email at [djanousek@mdot.state.md.us](mailto:djanousek@mdot.state.md.us) for assistance.

Sincerely,

A handwritten signature in blue ink, appearing to read "Tyson Byrne".

Mr. Tyson Byrne, Regional Planning Manager  
Office of Planning and Capital Programming

Attachment

cc: Mr. Dan Janousek, Regional Planner, OPCP, MDOT

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**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. HOLLY ARNOLD, DIRECTOR *jsm*  
MTA OFFICE OF PLANNING AND CAPITAL PROGRAMMING

**DATE:** July 17, 2018

**SUBJECT:** Administrative Modification to the BRTB FY 2018-2021 TIP

MDOT MTA is requesting an administrative modification to the BRTB FY 2018-2021 TIP. MDOT MTA will increase Section 5337 Federal Funding in the amount of \$6.8M for MARC Improvements in SFY18, TIP ID# 70-1502-54. This administrative modification is to replace the prior submission dated July 5<sup>th</sup>.

This increase in funding can be attributed to an accelerated payment schedule for the Northeastern Corridor.

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 administrative modification for inclusion in the BRTB FY 2018-2021 TIP. If you have any questions, please do not hesitate to contact Mr. Jacob Dunkle, MTA Office of Planning and Capital Programming, at 410-767-3633 or via email at [JDunkle@mta.maryland.gov](mailto:JDunkle@mta.maryland.gov).

cc: Mr. Ian Beam, Regional Planner, Office of Planning & Capital Programming, MDOT and  
Mr. Dan Janousek, Regional Planner, Office of Planning & Capital Programming, MDOT  
Mr. Zach Kaufman, Transportation Planner, Baltimore Metropolitan Council

**MARC Improvements**

<b>TIP ID#</b>	70-1502-54	<b>Year of Operation</b>	Ongoing
<b>Agency</b>	MTA - Commuter Rail	<b>Project Type</b>	Preservation and Improvements
<b>Project Category</b>	Commuter Rail	<b>Functional Class</b>	NA
<b>Conformity Status</b>	Exempt	<b>Physical Data</b>	NA
<b>CIP/CTP Page #</b>	Multiple	<b>Est. Total Cost</b>	\$ 63,580,658

<b>Description</b>	<b>Justification</b>
Funding to implement on-going improvements derived from the MARC Master Plan and Amtrak Operating Agreement.	Investments in passenger rail corridor infrastructure improvements are necessary to maintain/improve the safety and quality of MARC infrastructure.

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

Phase	Previous Requests		Federal Funding Requests (\$000)						Project Totals		
	Previous Federal Funds	Previous Matching Funds	FY 2018 Federal Funds	FY 2018 Matching Funds	FY 2019 Federal Funds	FY 2019 Matching Funds	FY 2020 Federal Funds	FY 2020 Matching Funds	FY 2021 Federal Funds	FY 2021 Matching Funds	Estimated Project Total
CON	\$ -	\$ -	\$ -	\$ -	\$ 241	\$ 60	\$ 1,187	\$ 297	\$ 2,412	\$ 603	\$ 4,799
OTH	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PE	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PP	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
ROW	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Totals</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 241</b>	<b>\$ 60</b>	<b>\$ 1,187</b>	<b>\$ 297</b>	<b>\$ 2,412</b>	<b>\$ 603</b>	<b>\$ 4,799</b>

**MARC Improvements**

**Section 5337 (State of Good Repair Formula Program)**

Phase	Previous Requests		Annual Element		Federal Funding Requests (\$000)						Project Totals	
	Previous Federal Funds	Previous Matching Funds	FY 2018 Federal Funds	FY 2018 Matching Funds	FY 2019 Federal Funds	FY 2019 Matching Funds	FY 2020 Federal Funds	FY 2020 Matching Funds	FY 2021 Federal Funds	FY 2021 Matching Funds	Estimated Project Total	Estimated Project Total
CON	\$ -	\$ -	\$ 10,890	\$ 2,723	\$ 10,322	\$ 2,581	\$ 14,958	\$ 3,739	\$ 6,135	\$ 1,534	\$ 52,882	\$ 52,882
OTH	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PE	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PP	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
ROW	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Totals</b>	\$ -	\$ -	\$ 10,890	\$ 2,723	\$ 10,322	\$ 2,581	\$ 14,958	\$ 3,739	\$ 6,135	\$ 1,534	\$ 52,882	\$ 52,882

**Section 3028**

Phase	Previous Requests		Annual Element		Federal Funding Requests (\$000)						Project Totals	
	Previous Federal Funds	Previous Matching Funds	FY 2018 Federal Funds	FY 2018 Matching Funds	FY 2019 Federal Funds	FY 2019 Matching Funds	FY 2020 Federal Funds	FY 2020 Matching Funds	FY 2021 Federal Funds	FY 2021 Matching Funds	Estimated Project Total	Estimated Project Total
CON	\$ -	\$ -	\$ 4,720	\$ 1,180	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,900	\$ 5,900
OTH	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PE	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PP	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
ROW	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Totals</b>	\$ -	\$ -	\$ 4,720	\$ 1,180	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,900	\$ 5,900

# TIP MODIFICATION/AMENDMENT ANALYSIS

TIP ID: 70-1502-54

## BEFORE

Funding Category	Previous	FY 2018	FY 2019	FY 2020	FY 2021	Total
Section 5307	\$ -	\$ -	\$ 241	\$ 1,187	\$ 2,412	\$ 3,840
Section 5337	\$ -	\$ 4,104	\$ 10,322	\$ 14,958	\$ 6,135	\$ 35,519
Section 3028	\$ -	\$ 4,720	\$ -	\$ -	\$ -	\$ 4,720
Matching Funds	\$ -	\$ 2,206	\$ 2,641	\$ 4,036	\$ 2,137	\$ 11,020
						<b>\$ 55,098</b>

## ADJUSTMENT

Funding Category	Previous	FY 2018	FY 2019	FY 2020	FY 2021	Total
Section 5307	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Section 5337	\$ -	\$ 6,786	\$ -	\$ -	\$ -	\$ 6,786
Section 3028	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Matching Funds	\$ -	\$ 1,697	\$ -	\$ -	\$ -	\$ 1,697
						<b>\$ 8,483</b>

## AFTER

Funding Category	Previous	FY 2018	FY 2019	FY 2020	FY 2021	Total
Section 5307	\$ -	\$ -	\$ 241	\$ 1,187	\$ 2,412	\$ 3,840
Section 5337	\$ -	\$ 10,890	\$ 10,322	\$ 14,958	\$ 6,135	\$ 42,305
Section 3028	\$ -	\$ 4,720	\$ -	\$ -	\$ -	\$ 4,720
Matching Funds	\$ -	\$ 3,903	\$ 2,641	\$ 4,036	\$ 2,137	\$ 12,716
						<b>\$ 63,581</b>

% change	15%
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