MARYLAND DEPARTMENT
OF TRANSPORTATION

Larry Hogan
Governor
Boyd K. Rutherford
Lt. Governor
Pete K. Rahn
Secretary

August 6, 2019

Mr. Gregory Murrill
Division Administrator
Attn: Dr. Kwame Arhin
Federal Highway Administration
10 South Howard Street
Suite 2450
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 amends the Fiscal Year (FY) 2019-2022 Maryland Statewide Transportation Improvement Program (STIP) for five amendments to transit projects in the Baltimore Regional Transportation Board's (BRTB) *2019 – 2022 Baltimore Region Transportation Improvement Program* (TIP). The BRTB approved the amendments to its TIP on July 23, 2019. The MDOT has assigned Control #19-12 for these amendments to the STIP, as described below.

The Maryland Transit Administration (MDOT MTA) has adjusted the Agency Systemwide Preservation and Improvement project (TIP ID 40-1801-64) by adding previously unobligated Section 5307 funds from 2018 to the FY 2019-2022 TIP. These funds will be used to rehabilitate agency-wide facilities.

The MDOT MTA has adjusted the Bus System Preservation and Improvement project (TIP ID 40-1803-64) by adding unobligated Section 5307 Flex funds from FY 2018 to the FY 2019-2022 TIP. These funds will be used to rehabilitate bus facilities and infrastructure.

The MDOT-MTA has adjusted the Metro and Light Rail System Preservation and Improvement project (TIP ID 40-1805-64) by adding unobligated Section 5307 funds from FY 2017 and FY 2018 to the FY 2019-2022 TIP. These funds will be used to rehabilitate Light Rail and Metro facilities, infrastructure, track and equipment.

The MDOT-MTA has adjusted the MARC Rolling Stock Overhauls and Replacement project (TIP ID 70-1501-53) by adding unobligated Section 5337 funds from FY 2017 and FY 2018 to the FY 2019-2022 TIP. These funds will be used for overhaul and replacement of MARC rolling stock in accordance with the manufacturer's 10-year minor and 20-year midlife schedules.

The MDOT-MTA has adjusted the MARC Improvements project (TIP ID 70-1502-54) by adding unobligated Section 5337 funds from FY 2017 and FY 2018 to the FY 2019-2022 TIP. These funds will be used to enhance safety and accessibility for MARC riders.

Project Name	**STIP #**	**TIP #**	**Funding Source**	**FY 19-22 Net Federal Change (000)**
Agency Systemwide Preservation and Improvement	40-1801-64	40-1801-64	5307	5,986
Bus System Preservation and Improvement	40-1803-64	40-1803-64	5307 Flex	834
Metro and Light Rail System Preservation and Improvement	40-1805-64	40-1805-64	5307	9,762
MARC Rolling Stock Overhauls and Replacement	70-1501-53	70-1501-53	5337	6,651
MARC Improvements	70-1502-54	70-1502-54	5337	20,120

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.maryland.gov, of course, feel free to contact me directly.

Sincerely,

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

Attachments

bcc: Mr. Todd Lang, Director, Department of Transportation Planning, BRTB
Mr. Kevin Quinn, Director, Office of Planning and Capital Programming, MTA

BALTIMORE METROPOLITAN COUNCIL

July 23, 2019

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 are five amendments to the *2019-2022 Baltimore Region Transportation Improvement Program (TIP)* as approved by the Baltimore Regional Transportation Board (BRTB) on July 23, 2019. The documentation enclosed supports changes to the *2019-2022 TIP* for five MDOT Maryland Transit Administration projects:

- **Agencywide System Preservation and Improvement: 40-1801-64**
- **Bus System Preservation and Improvement: 40-1803-64**
- **Metro and Light Rail System Preservation and Improvement: 40-1805-64**
- **MARC Rolling Stock Overhauls and Replacement: 70-1501-53**
- **MARC Improvements: 70-1502-54**

The amendments were presented to a joint meeting of the Technical Committee and Interagency Consultation Group (ICG) on July 9, 2019. At that meeting the ICG determined that the projects are exempt from the requirement to determine conformity according to the Conformity Rule.

MDOT MTA has affirmed that fiscal constraint for their program of projects remains intact and has made a commitment to the match required.

Pursuant to the prescribed TIP amendment process MOU signed in 2014, the BRTB approved Resolution #20-1 to support these changes to the *2019-2022 TIP*.

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

Sincerely,

Todd R. Lang, Director
Transportation Planning

1500 Whetstone Way | Suite 300 Baltimore, MD 21230-4767 | T (410) 732-0500 F (410) 732-8248 W www.baltometro.org

BMC

Enclosures

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

BMC

Summary of 2019-2022 TIP Changes

Project Title	TIP Change Reason	Description	Type of Change
Agencywide System Preservation and Improvement: 40-1801-64	This amendment adds previously unobligated Section 5307 funds from FY 2017 and FY 2018 to the 2019-2022 TIP. MTA intends to obligate these funds prior to the end of FY 2019. These funds will be used for improvements including elevator and escalator upgrades throughout the Metro system, roofing repairs, drainage corrections, transit asset management, and fare collection system software upgrades. Section 5307 funds increase in the amount of $5.986 million along with an increase of $1.497 million in matching funds. Total funding in the TIP increases from $20.245 million to $27.728 million.	This is an ongoing project to rehabilitate agency-wide facilities, systems, and infrastructure, including elevator and escalator upgrades, roofing, park-and-ride lots, concrete bus loops, drainage corrections, bridge and subway inspections, signage improvements, a treasury fare collection system, and a transit asset management system. In addition to the matching funds listed, MTA has committed $80.4 million in state dollars. **Conformity Status**: Exempt	Amendment
Bus System Preservation and Improvement: 40-1803-64	This amendment adds previously unobligated Section 5307 flex funds from FY 2017 and FY 2018 to the 2019-2022 TIP. MTA intends to obligate these funds prior to the end of FY 2019. These funds will be used to rehabilitate historic gable windows at the Bush Division and to install a paint booth at the Washington Boulevard facility. Section 5307 flex funds increase in the amount of $834,000 along with an increase of $208,000 in matching funds. Total funding in the TIP increases from $3.227 million to $4.269 million.	This is an ongoing project to rehabilitate bus facilities and infrastructure, including operating division and MTA offices. This ongoing project also includes funding for the BaltimoreLink project to include Bus Link Transit Hubs and Bus Link Transit Signal Priority. In addition to the matching funds listed, MTA has committed $10.6 million in state dollars. **Conformity Status**: Exempt	Amendment
Metro and Light Rail System Preservation and Improvement: 40-1805-64	This amendment adds previously unobligated Section 5307 funds from FY 2017 and FY 2018 to the 2019-2022 TIP. MTA intends to obligate these funds prior to the end of FY 2019. These funds will be used to rehabilitate infrastructure, track, equipment, and facilities along the metro and light rail systems. Section 5307 funds increase in the amount of $9.762 million along with an increase of $2.44 million in matching funds. Total funding in the TIP increases from $32.359 million to $44.561 million.	This is an ongoing project to rehabilitate Light Rail and Metro facilities, infrastructure, track, and equipment. In addition to the matching funds listed, MTA has committed $209.3 million in state dollars. **Conformity Status**: Exempt	Amendment

BMC

Project Title	TIP Change Reason	Description	Type of Change
MARC Rolling Stock Overhauls and Replacement: 70-1501-53	This amendment adds previously unobligated Section 5337 funds from FY 2017 and FY 2018 to the 2019-2022 TIP. MTA intends to obligate these funds prior to the end of FY 2019. These funds will be used for the ongoing overhaul and replacement of MARC rolling stock in accordance with the manufacturer's 10-year minor and 20-year midlife schedules. Section 5337 funds increase in the amount of $6.651 million along with an increase of $1.663 million in matching funds. Total funding in the TIP increases from $38.885 million to $47.199 million.	This is an ongoing project for the overhaul and replacement of MARC rolling stock. The overhaul of MARC coaches and locomotives is performed in accordance with "10-year Minor" and "20-year Midlife" schedules and/or the manufacturer's schedule. MARC vehicles will be upgraded with federally-mandated Positive Train Control safety features. In addition to the matching funds listed, MTA has committed $13.2 million in state dollars. **Conformity Status**: Exempt	Amendment
MARC Improvements: 70-1502-54	This amendment adds previously unobligated Section 5337 funds from FY 2017 and FY 2018 to the 2019-2022 TIP. MTA intends to obligate these funds prior to the end of FY 2019. These funds will be used to enhance accessibility and safety for riders including installation of an ADA compliant public address system, positive train control, and an audio/visual warning system for approaching MARC trains. Section 5337 funds increase in the amount of $20.12 million along with an increase of $5.03 million in matching funds. Total funding in the TIP increases from $40.895 million to $66.045 million.	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, implementation of an 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 $15.4 million in state dollars. **Conformity Status**: Exempt	Amendment

BALTIMORE METROPOLITAN PLANNING ORGANIZATION

BALTIMORE REGIONAL TRANSPORTATION BOARD
RESOLUTION #20-1

AMENDMENT TO THE 2019 – 2022 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 Harford Transit; and

WHEREAS, the Baltimore Regional Transportation Board, as the Metropolitan Planning Organization for the Baltimore region, approved the 2019-2022 Transportation Improvement Program for the Baltimore region at its July 24, 2018 meeting, with federal approval on August 27, 2018; 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 MDOT Maryland Transit Administration has requested approval of an amendment to the 2019-2022 Transportation Improvement Program through the approved Transportation Improvement Program amendment process; and

WHEREAS, the MDOT Maryland Transit Administration is requesting to add previously unobligated funds from FY 2018 to the 2019-2022 TIP. MDOT MTA intends to obligate these funds prior to the end of FY 2019. The funding updates effect the following five projects: Agencywide System Preservation and Improvement, Bus System Preservation and Improvement, MARC Improvements, MARC Rolling Stock Overhauls and Replacement, and Metro and Light Rail System Preservation and Improvement (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, the Interagency Consultation Group has determined that these projects are exempt according to the Conformity Rule (40 CFR Parts 51 and 93); and

WHEREAS, the proposed Transportation Improvement Program amendment was presented to both the Technical Committee and the Interagency Consultation Group on July 9, 2019.

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 2019-2022 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 July 23, 2019.

7-23-19
Date

Lynda Eisenberg
Lynda Eisenberg, Chair
Baltimore Regional Transportation Board

Agencywide System Preservation and Improvement

TIP ID	40-1801-64	**Year of Operation**	Ongoing
Agency	MTA - Transit	**Project Type**	Preservation and improvements
Project Category	Transit Preservation	**Functional Class**	NA
Conformity Status	Exempt	**Physical Data**	NA
CIP or CTP ID(s)	Multiple	**Est. Total Cost**	$27,728,000

Description:

This is an ongoing project to rehabilitate agency-wide facilities, systems, and infrastructure, including elevator and escalator upgrades, roofing, park-and-ride lots, concrete bus loops, drainage corrections, bridge and subway inspections, signage improvements, a treasury fare collection system, and a transit asset management system.

In addition to the matching funds listed, MTA has committed $80.4 million in state dollars.

Justification:

The associated projects support regional management and operation initiatives to improve service, safety, and assure the preservation of infrastructure agency-wide.

Amendment: This amendment adds previously unobligated Section 5307 funds from FY 2018 to the 2019-2022 TIP. MTA intends to obligate these funds prior to the end of FY 2019. Section 5307 funds increase in the amount of $5.986 million along with an increase of $1.497 million in matching funds. Total funding in the TIP increases from $20.245 million to $27.728 million.

Connection to Long-Range Transportation Planning Goals:

1.B Improve System Safety -- Apply safety-related management and operations techniques.
2.A Improve and Maintain the Existing Infrastructure -- Improve the condition of roadway systems (pavement, bridges, tunnels).
2.E Improve and Maintain the Existing Infrastructure -- Improve the condition of transit infrastructure and stations/stops.

Agencywide System Preservation and Improvement

(Funding in Thousands)

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

Phase	FY 2019 Federal Funds	FY 2019 Matching Funds	FY 2020 Federal Funds	FY 2020 Matching Funds	FY 2021 Federal Funds	FY 2021 Matching Funds	FY 2022 Federal Funds	FY 2022 Matching Funds	Total Four-Year Funding Request
CON	$7,429	$1,857	$6,074	$1,519	$2,693	$673	$0	$0	$20,245
OTH	$0	$0	$0	$0	$0	$0	$0	$0	$0
ENG	$0	$0	$0	$0	$0	$0	$0	$0	$0
PL	$0	$0	$0	$0	$0	$0	$0	$0	$0
ROW	$0	$0	$0	$0	$0	$0	$0	$0	$0
Subtotal	**$7,429**	**$1,857**	**$6,074**	**$1,519**	**$2,693**	**$673**	**$0**	**$0**	**$20,245**
Total	**$7,429**	**$1,857**	**$6,074**	**$1,519**	**$2,693**	**$673**	**$0**	**$0**	**$20,245**

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

Phase	FY 2019 Federal Funds	FY 2019 Matching Funds	FY 2020 Federal Funds	FY 2020 Matching Funds	FY 2021 Federal Funds	FY 2021 Matching Funds	FY 2022 Federal Funds	FY 2022 Matching Funds	Total Four-Year Funding Request
CON	$13,415	$3,354	$6,074	$1,519	$2,693	$673	$0	$0	$27,728
OTH	$0	$0	$0	$0	$0	$0	$0	$0	$0
ENG	$0	$0	$0	$0	$0	$0	$0	$0	$0
PL	$0	$0	$0	$0	$0	$0	$0	$0	$0
ROW	$0	$0	$0	$0	$0	$0	$0	$0	$0
Subtotal	**$13,415**	**$3,354**	**$6,074**	**$1,519**	**$2,693**	**$673**	**$0**	**$0**	**$27,728**
Total	**$13,415**	**$3,354**	**$6,074**	**$1,519**	**$2,693**	**$673**	**$0**	**$0**	**$27,728**

Bus System Preservation and Improvement

TIP ID	40-1803-64	**Year of Operation**	Ongoing
Agency	MTA - Transit	**Project Type**	Preservation and improvements
Project Category	Transit Preservation	**Functional Class**	NA
Conformity Status	Exempt	**Physical Data**	NA
CIP or CTP ID(s)	Multiple	**Est. Total Cost**	$4,269,000

Description:

This is an ongoing project to rehabilitate bus facilities and infrastructure, including operating division and MTA offices. This ongoing project also includes funding for the BaltimoreLink project to include Bus Link Transit Hubs and Bus Link Transit Signal Priority. In addition to the matching funds listed, MTA has committed $10.6 million in state dollars.

Justification:

The associated projects support regional management and operation initiatives to improve service, safety, and the preservation of the bus system.

Amendment: This amendment adds previously unobligated Section 5307 flex funds from FY 2018 to the 2019-2022 TIP. MTA intends to obligate these funds prior to the end of FY 2019. Section 5307 flex funds increase in the amount of $834,000 along with an increase of $208,000 in matching funds. Total funding in the TIP increases from $3.227 million to $4.269 million.

Connection to Long-Range Transportation Planning Goals:

2.C Improve and Maintain the Existing Infrastructure -- Maintain/replace transit vehicles.
2.E Improve and Maintain the Existing Infrastructure -- Improve the condition of transit infrastructure and stations/stops.
3.A Improve Accessibility -- Increase transportation alternatives for all segments of the population.

Bus System Preservation and Improvement

(Funding in Thousands)

Section 5307 Flex (STBG funds flexed to Section 5307) -ORIGINAL

Phase	FY 2019 Federal Funds	FY 2019 Matching Funds	FY 2020 Federal Funds	FY 2020 Matching Funds	FY 2021 Federal Funds	FY 2021 Matching Funds	FY 2022 Federal Funds	FY 2022 Matching Funds	Total Four-Year Funding Request
CON	$2,067	$517	$514	$129	$0	$0	$0	$0	$3,227
OTH	$0	$0	$0	$0	$0	$0	$0	$0	$0
ENG	$0	$0	$0	$0	$0	$0	$0	$0	$0
PL	$0	$0	$0	$0	$0	$0	$0	$0	$0
ROW	$0	$0	$0	$0	$0	$0	$0	$0	$0
Subtotal	$2,067	$517	$514	$129	$0	$0	$0	$0	$3,227
Total	$2,067	$517	$514	$129	$0	$0	$0	$0	$3,227

Section 5307 Flex (STBG funds flexed to Section 5307) -UPDATE

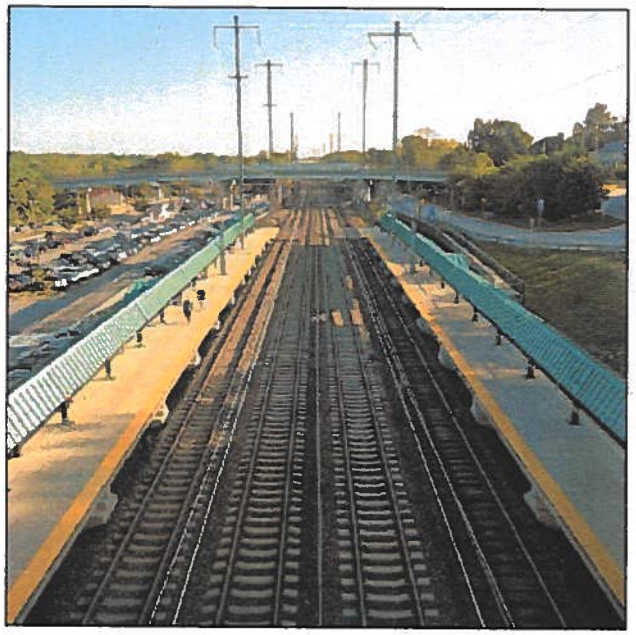
Phase	FY 2019 Federal Funds	FY 2019 Matching Funds	FY 2020 Federal Funds	FY 2020 Matching Funds	FY 2021 Federal Funds	FY 2021 Matching Funds	FY 2022 Federal Funds	FY 2022 Matching Funds	Total Four-Year Funding Request
CON	$2,901	$725	$514	$129	$0	$0	$0	$0	$4,269
OTH	$0	$0	$0	$0	$0	$0	$0	$0	$0
ENG	$0	$0	$0	$0	$0	$0	$0	$0	$0
PL	$0	$0	$0	$0	$0	$0	$0	$0	$0
ROW	$0	$0	$0	$0	$0	$0	$0	$0	$0
Subtotal	$2,901	$725	$514	$129	$0	$0	$0	$0	$4,269
Total	$2,901	$725	$514	$129	$0	$0	$0	$0	$4,269

MARC Improvements

TIP ID	70-1502-54	**Year of Operation**	Ongoing
Agency	MTA - Commuter Rail	**Project Type**	Preservation and improvements
Project Category	Commuter Rail Preservation	**Functional Class**	NA
Conformity Status	Exempt	**Physical Data**	NA
CIP or CTP ID(s)	Multiple	**Est. Total Cost**	$66,045,000

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, installation of an 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 $15.4 million in state dollars.



Justification:

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

Amendment: This amendment adds previously unobligated Section 5337 funds from FY 2018 to the 2019-2022 TIP. MTA intends to obligate these funds prior to the end of FY 2019. Section 5337 funds increase in the amount of $20.12 million along with an increase of $5.03 million in matching funds. Total funding in the TIP increases from $40.895 million to $66.045 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 5307 Urbanized Area Formula Program (funding for capital projects) ORIGINAL

Phase	FY 2019 Federal Funds	FY 2019 Matching Funds	FY 2020 Federal Funds	FY 2020 Matching Funds	FY 2021 Federal Funds	FY 2021 Matching Funds	FY 2022 Federal Funds	FY 2022 Matching Funds	Total Four-Year Funding Request
CON	$0	$0	$243	$61	$1,187	$297	$2,412	$603	$4,803
OTH	$0	$0	$0	$0	$0	$0	$0	$0	$0
ENG	$0	$0	$0	$0	$0	$0	$0	$0	$0
PL	$0	$0	$0	$0	$0	$0	$0	$0	$0
ROW	$0	$0	$0	$0	$0	$0	$0	$0	$0
Subtotal	**$0**	**$0**	**$243**	**$61**	**$1,187**	**$297**	**$2,412**	**$603**	**$4,803**

Section 5337 (State of Good Repair Formula Program) ORIGINAL

Phase	FY 2019 Federal Funds	FY 2019 Matching Funds	FY 2020 Federal Funds	FY 2020 Matching Funds	FY 2021 Federal Funds	FY 2021 Matching Funds	FY 2022 Federal Funds	FY 2022 Matching Funds	Total Four-Year Funding Request
CON	$4,104	$1,026	$4,973	$1,243	$10,154	$2,538	$9,643	$2,411	$36,092
OTH	$0	$0	$0	$0	$0	$0	$0	$0	$0
ENG	$0	$0	$0	$0	$0	$0	$0	$0	$0
PL	$0	$0	$0	$0	$0	$0	$0	$0	$0
ROW	$0	$0	$0	$0	$0	$0	$0	$0	$0
Subtotal	**$4,104**	**$1,026**	**$4,973**	**$1,243**	**$10,154**	**$2,538**	**$9,643**	**$2,411**	**$36,092**
Total	**$4,104**	**$1,026**	**$5,216**	**$1,304**	**$11,341**	**$2,835**	**$12,055**	**$3,014**	**$40,895**

MARC Improvements

(Funding in Thousands)

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

Phase	FY 2019 Federal Funds	FY 2019 Matching Funds	FY 2020 Federal Funds	FY 2020 Matching Funds	FY 2021 Federal Funds	FY 2021 Matching Funds	FY 2022 Federal Funds	FY 2022 Matching Funds	Total Four-Year Funding Request
CON	$0	$0	$243	$61	$1,187	$297	$2,412	$603	$4,803
OTH	$0	$0	$0	$0	$0	$0	$0	$0	$0
ENG	$0	$0	$0	$0	$0	$0	$0	$0	$0
PL	$0	$0	$0	$0	$0	$0	$0	$0	$0
ROW	$0	$0	$0	$0	$0	$0	$0	$0	$0
Subtotal	**$0**	**$0**	**$243**	**$61**	**$1,187**	**$297**	**$2,412**	**$603**	**$4,803**

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

Phase	FY 2019 Federal Funds	FY 2019 Matching Funds	FY 2020 Federal Funds	FY 2020 Matching Funds	FY 2021 Federal Funds	FY 2021 Matching Funds	FY 2022 Federal Funds	FY 2022 Matching Funds	Total Four-Year Funding Request
CON	$24,224	$6,056	$4,973	$1,243	$10,154	$2,538	$9,643	$2,411	$61,242
OTH	$0	$0	$0	$0	$0	$0	$0	$0	$0
ENG	$0	$0	$0	$0	$0	$0	$0	$0	$0
PL	$0	$0	$0	$0	$0	$0	$0	$0	$0
ROW	$0	$0	$0	$0	$0	$0	$0	$0	$0
Subtotal	**$24,224**	**$6,056**	**$4,973**	**$1,243**	**$10,154**	**$2,538**	**$9,643**	**$2,411**	**$61,242**
Total	**$24,224**	**$6,056**	**$5,216**	**$1,304**	**$11,341**	**$2,835**	**$12,055**	**$3,014**	**$66,045**

MARC Rolling Stock Overhauls and Replacement

TIP ID	70-1501-53	**Year of Operation**	Ongoing
Agency	MTA - Commuter Rail	**Project Type**	Fleet improvement
Project Category	Commuter Rail Preservation	**Functional Class**	NA
Conformity Status	Exempt	**Physical Data**	NA
CIP or CTP ID(s)	Multiple	**Est. Total Cost**	$47,199,000

Description:

This is an ongoing project for the overhaul and replacement of MARC rolling stock. The overhaul of MARC coaches and locomotives is performed in accordance with "10-year minor" and "20-year midlife" schedules and/or the manufacturer's schedule. MARC vehicles will be upgraded with federally-mandated Positive Train Control safety features. In addition to the matching funds listed, MTA has committed $13.2 million in state dollars.

Justification:

Overhauls will extend the life of mechanical systems and car bodies. This will have the effect of providing safe and reliable vehicles for MARC service while also complying with federally mandated maintenance regulations.

Amendment: This amendment adds previously unobligated Section 5337 funds from FY 2018 to the 2019-2022 TIP. MTA intends to obligate these funds prior to the end of FY 2019. Section 5337 funds increase in the amount of $6.651 million along with an increase of $1.663 million in matching funds. Total funding in the TIP increases from $38.885 million to $47.199 million.

Connection to Long-Range Transportation Planning Goals:

2.C Improve and Maintain the Existing Infrastructure -- Maintain/replace transit vehicles.

MARC Rolling Stock Overhauls and Replacement

(Funding in Thousands)

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

Phase	FY 2019 Federal Funds	FY 2019 Matching Funds	FY 2020 Federal Funds	FY 2020 Matching Funds	FY 2021 Federal Funds	FY 2021 Matching Funds	FY 2022 Federal Funds	FY 2022 Matching Funds	Total Four-Year Funding Request
CON	$0	$0	$0	$0	$434	$109	$75	$19	$637
OTH	$0	$0	$0	$0	$0	$0	$0	$0	$0
ENG	$0	$0	$0	$0	$0	$0	$0	$0	$0
PL	$0	$0	$0	$0	$0	$0	$0	$0	$0
ROW	$0	$0	$0	$0	$0	$0	$0	$0	$0
Subtotal	**$0**	**$0**	**$0**	**$0**	**$434**	**$109**	**$75**	**$19**	**$637**

Section 5337 (State of Good Repair Formula Program) ORIGINAL

Phase	FY 2019 Federal Funds	FY 2019 Matching Funds	FY 2020 Federal Funds	FY 2020 Matching Funds	FY 2021 Federal Funds	FY 2021 Matching Funds	FY 2022 Federal Funds	FY 2022 Matching Funds	Total Four-Year Funding Request
CON	$10,877	$2,719	$14,441	$3,610	$2,920	$730	$2,361	$590	$38,248
OTH	$0	$0	$0	$0	$0	$0	$0	$0	$0
ENG	$0	$0	$0	$0	$0	$0	$0	$0	$0
PL	$0	$0	$0	$0	$0	$0	$0	$0	$0
ROW	$0	$0	$0	$0	$0	$0	$0	$0	$0
Subtotal	**$10,877**	**$2,719**	**$14,441**	**$3,610**	**$2,920**	**$730**	**$2,361**	**$590**	**$38,248**
Total	**$10,877**	**$2,719**	**$14,441**	**$3,610**	**$3,354**	**$839**	**$2,436**	**$609**	**$38,885**

MARC Rolling Stock Overhauls and Replacement

(Funding in Thousands)

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

Phase	FY 2019 Federal Funds	FY 2019 Matching Funds	FY 2020 Federal Funds	FY 2020 Matching Funds	FY 2021 Federal Funds	FY 2021 Matching Funds	FY 2022 Federal Funds	FY 2022 Matching Funds	Total Four-Year Funding Request
CON	$0	$0	$0	$0	$434	$109	$75	$19	$637
OTH	$0	$0	$0	$0	$0	$0	$0	$0	$0
ENG	$0	$0	$0	$0	$0	$0	$0	$0	$0
PL	$0	$0	$0	$0	$0	$0	$0	$0	$0
ROW	$0	$0	$0	$0	$0	$0	$0	$0	$0
Subtotal	**$0**	**$0**	**$0**	**$0**	**$434**	**$109**	**$75**	**$19**	**$637**

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

Phase	FY 2019 Federal Funds	FY 2019 Matching Funds	FY 2020 Federal Funds	FY 2020 Matching Funds	FY 2021 Federal Funds	FY 2021 Matching Funds	FY 2022 Federal Funds	FY 2022 Matching Funds	Total Four-Year Funding Request
CON	$17,528	$4,382	$14,441	$3,610	$2,920	$730	$2,361	$590	$46,562
OTH	$0	$0	$0	$0	$0	$0	$0	$0	$0
ENG	$0	$0	$0	$0	$0	$0	$0	$0	$0
PL	$0	$0	$0	$0	$0	$0	$0	$0	$0
ROW	$0	$0	$0	$0	$0	$0	$0	$0	$0
Subtotal	**$17,528**	**$4,382**	**$14,441**	**$3,610**	**$2,920**	**$730**	**$2,361**	**$590**	**$46,562**
Total	**$17,528**	**$4,382**	**$14,441**	**$3,610**	**$3,354**	**$839**	**$2,436**	**$609**	**$47,199**

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 Preservation	**Functional Class**	NA
Conformity Status	Exempt	**Physical Data**	NA
CIP or CTP ID(s)	Multiple	**Est. Total Cost**	$44,561,000

Description:

This is an ongoing project to rehabilitate Light Rail and Metro facilities, infrastructure, track, and equipment. In addition to the matching funds listed, MTA has committed $209.3 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 systems.

Amendment: This amendment adds previously unobligated Section 5307 funds from FY 2018 to the 2019-2022 TIP. MTA intends to obligate these funds prior to the end of FY 2019. Section 5307 funds increase in the amount of $9.762 million along with an increase of $2.44 million in matching funds. Total funding in the TIP increases from $32.359 million to $44.561 million.

Connection to Long-Range Transportation Planning Goals:

2.C Improve and Maintain the Existing Infrastructure -- Maintain/replace transit vehicles.
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.

Metro and Light Rail System Preservation and Improvement

(Funding in Thousands)

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

Phase	FY 2019 Federal Funds	FY 2019 Matching Funds	FY 2020 Federal Funds	FY 2020 Matching Funds	FY 2021 Federal Funds	FY 2021 Matching Funds	FY 2022 Federal Funds	FY 2022 Matching Funds	Total Four-Year Funding Request
CON	$12,658	$3,165	$3,286	$822	$9,942	$2,486	$0	$0	$32,359
OTH	$0	$0	$0	$0	$0	$0	$0	$0	$0
ENG	$0	$0	$0	$0	$0	$0	$0	$0	$0
PL	$0	$0	$0	$0	$0	$0	$0	$0	$0
ROW	$0	$0	$0	$0	$0	$0	$0	$0	$0
Subtotal	$12,658	$3,165	$3,286	$822	$9,942	$2,486	$0	$0	$32,359
Total	$12,658	$3,165	$3,286	$822	$9,942	$2,486	$0	$0	$32,359

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

Phase	FY 2019 Federal Funds	FY 2019 Matching Funds	FY 2020 Federal Funds	FY 2020 Matching Funds	FY 2021 Federal Funds	FY 2021 Matching Funds	FY 2022 Federal Funds	FY 2022 Matching Funds	Total Four-Year Funding Request
CON	$22,420	$5,605	$3,286	$822	$9,942	$2,486	$0	$0	$44,561
OTH	$0	$0	$0	$0	$0	$0	$0	$0	$0
ENG	$0	$0	$0	$0	$0	$0	$0	$0	$0
PL	$0	$0	$0	$0	$0	$0	$0	$0	$0
ROW	$0	$0	$0	$0	$0	$0	$0	$0	$0
Subtotal	$22,420	$5,605	$3,286	$822	$9,942	$2,486	$0	$0	$44,561
Total	$22,420	$5,605	$3,286	$822	$9,942	$2,486	$0	$0	$44,561

Amendments to the 2019-2022 TIP (July 2019)

Project		Reason for Amendment	Project Description	Proposed Conformity Status
A	Agency-wide System Preservation and Improvement	This amendment adds previously unobligated Section 5307 funds from FY 2018 to the 2019-2022 TIP. MTA intends to obligate these funds prior to the end of FY 2019. Section 5307 funds increase in the amount of $5.986 million along with an increase of $1.497 million in matching funds. Total funding in the TIP increases from $20.245 million to $27.728 million.	This is an ongoing project to rehabilitate agency-wide facilities, systems, and infrastructure, including elevator and escalator upgrades, roofing, park-and-ride lots, concrete bus loops, drainage corrections, bridge and subway inspections, signage improvements, a treasury fare collection system, and a transit asset management system. In addition to the matching funds listed, MTA has committed $80.4 million in state dollars.	Exempt
B	Bus System Preservation and Improvement	This amendment adds previously unobligated Section 5307 flex funds from FY 2018 to the 2019-2022 TIP. MTA intends to obligate these funds prior to the end of FY 2019. Section 5307 flex funds increase in the amount of $834,000 along with an increase of $208,000 in matching funds. Total funding in the TIP increases from $3.227 million to $4.269 million.	This is an ongoing project to rehabilitate bus facilities and infrastructure, including operating division and MTA offices. This ongoing project also includes funding for the BaltimoreLink project to include Bus Link Transit Hubs and Bus Link Transit Signal Priority. In addition to the matching funds listed, MTA has committed $10.6 million in state dollars.	Exempt
C	MARC Improvements	This amendment adds previously unobligated Section 5337 funds from FY 2018 to the 2019-2022 TIP. MTA intends to obligate these funds prior to the end of FY 2019. Section 5337 funds increase in the amount of $20.12 million along with an increase of $5.03 million in matching funds. Total funding in the TIP increases from $40.895 million to $66.045 million.	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, implementation of an 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 $15.4 million in	Exempt

			state dollars.	
D	MARC Rolling Stock Overhauls and Replacement	This amendment adds previously unobligated Section 5337 funds from FY 2018 to the 2019-2022 TIP. MTA intends to obligate these funds prior to the end of FY 2019. Section 5337 funds increase in the amount of $6.651 million along with an increase of $1.663 million in matching funds. Total funding in the TIP increases from $38.885 million to $47.199 million.	This is an ongoing project for the overhaul and replacement of MARC rolling stock. The overhaul of MARC coaches and locomotives is performed in accordance with "10-year Minor" and "20-year Midlife" schedules and/or the manufacturer's schedule. MARC vehicles will be upgraded with federally-mandated Positive Train Control safety features. In addition to the matching funds listed, MTA has committed $13.2 million in state dollars.	Exempt
E	Metro and Light Rail System Preservation and Improvement	This amendment adds previously unobligated Section 5307 funds from FY 2018 to the 2019-2022 TIP. MTA intends to obligate these funds prior to the end of FY 2019. Section 5307 funds increase in the amount of $9.762 million along with an increase of $2.44 million in matching funds. Total funding in the TIP increases from $32.359 million to $44.561 million.	This is an ongoing project to rehabilitate Light Rail and Metro facilities, infrastructure, track, and equipment. In addition to the matching funds listed, MTA has committed $209.3 million in state dollars.	Exempt

Issues:

Do these proposed TIP amendments require a conformity determination?

No. These projects are exempt from the requirement to determine conformity in accordance with Section 93.126 of the Conformity Rule:

Project(s)	**Exempt** status – Sec. 93.126, Table 2
A, B, C, E	- "Reconstruction or renovation of transit buildings and structures (e.g., rail or bus buildings, storage and maintenance facilities, stations, terminals, and ancillary structures)"
B, C	- "Construction or renovation of power, signal, and communications systems"
D	- "Rehabilitation of transit vehicles"; "Purchase of new buses and rail cars to replace existing vehicles or for minor expansions of the fleet"
E	- "Rehabilitation or reconstruction of track structures, track, and trackbed in existing rights-of-way"

MARYLAND DEPARTMENT
OF TRANSPORTATION

Larry Hogan
Governor
Boyd K. Rutherford
Lt. Governor
Pete K. Rahn
Secretary

June 24, 2019

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) on behalf of the Maryland Department of Transportation Maryland Transit Administration (MDOT-MTA) is requesting amendments to the Fiscal Year (FY) 2019-2022 Baltimore Region Transportation Improvement Program (TIP). The purpose of these amendments is to reflect changes to several MDOT-MTA projects. MDOT-MTA intends to execute unobligated funding for several TIP projects by the end of FY 2019, as follows: Section 5307 (TIP ID 40-1801-64); Section 5307 Flex (TIP ID 40-1803-64); Section 5337 and Section 5307 (TIP ID 70-1502-54); Section 5337 and Section 5307 (TIP ID 70-1501-53); and Section 5307 (TIP ID 40-1805-64).

The details of these amendments can be found on the attached request memorandum. 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 for assistance.

Sincerely,

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

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

MARYLAND DEPARTMENT OF TRANSPORTATION
MARYLAND TRANSIT ADMINISTRATION

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
MDOT MTA OFFICE OF PLANNING AND CAPITAL PROGRAMMING

DATE: June 17, 2019

SUBJECT: Amendment to the FY 2019-2022 BMC/BRTB TIP

MDOT MTA is requesting an Amendment to the FY 2019-2022 BMC/BRTB TIP. The purpose behind this request is to reflect a change in the obligation year of Federal funding. MDOT MTA has shifted prior-year unobligated funding within the capital program to better align with planned fiscal year obligation of Federal funding.

MDOT MTA was unable to execute FY17 and FY18 5307 grants in time for prior fiscal year-end. MDOT MTA intends to execute this unobligated funding by the end of FY 2019, thus necessitating an Amendment to the current TIP.

For the following TIP pages, this shift in Federal funding has triggered a change that exceeds the fiscal threshold of 20% for projects that total in cost of over $10M:

- **40-1801-64:** Agencywide System Preservation and Improvement
- **40-1803-64:** Bus System Preservation and Improvement
- **70-1502-54:** MARC Improvements
- **70-1501-53:** MARC Rolling Stock Overhaul and Replacement
- **40-1805-64:** Metro and Light Rail System Preservation and Improvement

Federal funding will be used to provide support of system-wide improvements and preservation projects including—but not limited to—elevator and escalator upgrades throughout the Metro Subway system, agency-wide roofing repairs, drainage corrections, transit asset management and crucial software upgrades to the agency fare collection system.

Ongoing maintenance to bus facilities and infrastructure is needed throughout the system. Federal funding will be used to rehabilitate historic Gable Windows at Bush Division along with the installation of a paint booth at Washington Boulevard.

Federal funding will also be used for ongoing improvements to enhance accessibility for riders throughout the MARC system. Such projects include ADA compliant public-address system installation, positive train control implementation and development, and audio/visual warning systems for approaching MARC train vehicles.

In addition to funding MARC system improvements, Federal funding will be used for the ongoing overhaul and replacement of MARC rolling stock. MARC coaches and locomotive overhauls must align with strict schedules set by manufactures and 10-year minor and 20-year mid-life schedules. This will ensure safe, comfortable, and reliable services for MARC riders.

Lastly, Federal funding will be used to rehabilitate infrastructure, track, equipment, and facilities along the Metro and Light Rail systems—an effort to ensure continued safety to MARC riders.

The proposed action will not impact scheduling or funding availability for other projects in the current TIP, which continues to be fiscally constrained. Additionally, this proposed action will not affect the amount of Federal funding previously obligated to MDOT MTA projects captured in the TIP.

After your review, please process the requested Amendment for inclusion in the FY 2019-2022 BMC/BRTB TIP. If you have any questions, please do not hesitate to contact Mr. Jacob Dunkle, MDOT MTA Office of Planning and Capital Programming, at 410-767-3633 or via email at JDunkle@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

Agencywide System Preservation and Improvement

TIP ID#	40-1801-64	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	$27,727,500

Description	Justification
This is an ongoing project to rehabilitate agency-wide facilities, systems, and infrastructure, including elevator and escalator upgrades, roofing, park-and-ride lots, concrete bus loops, drainage corrections, bridge and subway inspections, signage improvements, a treasury fare collection system, and a transit asset management system. In addition to the matching funds listed, MTA has committed $80.4 million in state dollars.	The associated projects support regional management and operation initiatives to improve service, safety, and assure the preservation of infrastructure agency-wide.

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	FY 2019 Federal Funds	FY 2019 Matching Funds	FY 2020 Federal Funds	FY 2020 Matching Funds	FY 2021 Federal Funds	FY 2021 Matching Funds	FY 2022 Federal Funds	FY 2022 Matching Funds	Estimated Project Total
CON	$ -	$ -	$ 13,415	$ 3,354	$ 6,074	$ 1,519	$ 2,693	$ 673	$ -	$ -	$ 27,728
OTH	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
PE	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
PP	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
ROW	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Totals	$ -	$ -	$ 13,415	$ 3,354	$ 6,074	$ 1,519	$ 2,693	$ 673	$ -	$ -	$ 27,728

Funding Source(s) Total

	Previous Requests		Annual Element		Federal Funding Requests ($000)						Project Totals
Totals	$ -	$ -	$ 13,415	$ 3,354	$ 6,074	$ 1,519	$ 2,693	$ 673	$ -	$ -	$ 27,728

TIP MODIFICATION/AMENDMENT ANALYSIS

TIP ID: 40-1801-64

BEFORE

Funding Category	Previous	FY 2019	FY 2020	FY 2021	FY 2022	Total
Section 5307	$ -	$ 7,429	$ 6,074	$ 2,693	$ -	$ 16,196
Matching Funds	$ -	$ 1,857	$ 1,519	$ 673	$ -	$ 4,049
						$ 20,245

ADJUSTMENT

Funding Category	Previous	FY 2019	FY 2020	FY 2021	FY 2022	Total
Section 5307	$ -	$ 5,986	$ -	$ -	$ -	$ 5,986
Matching Funds	$ -	$ 1,497	$ -	$ -	$ -	$ 1,497
						$ 7,483

AFTER

Funding Category	Previous	FY 2019	FY 2020	FY 2021	FY 2022	Total
Section 5307	$ -	$ 13,415	$ 6,074	$ 2,693	$ -	$ 22,182
Matching Funds	$ -	$ 3,354	$ 1,519	$ 673	$ -	$ 5,546
						$ 27,728

Percent Change 37%

Bus System Preservation and Improvement

TIP ID#	40-1803-64	Year of Operation	Ongoing
Agency	MTA - Transit	Project Type	Preservation and improvement
Project Category	Transit	Functional Class	NA
Conformity Status	Exempt	Physical Data	NA
CIP/CTP Page #	Multiple	Est. Total Cost	$4,269,250

Description	Justification
This is an ongoing project to rehabilitate bus facilities and infrastructure, including operating division and MTA offices. Projects included are the replacement of Historic Gable Windows at Bush Division and a paint booth at Washington Boulevard.	The associated projects support regional management and operation initiatives to improve service, safety, and the preservation of the Bus system.

5307 Flex

	Previous Requests		Annual Element		Federal Funding Requests ($000)						Project Totals
Phase	Previous Federal Funds	Previous 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	FY 2022 Federal Funds	FY 2022 Matching Funds	Estimated Project Total
CON	$ -	$ -	$ 2,901	$ 725	$ 514	$ 129	$ -	$ -	$ -	$ -	$ 4,269
OTH	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
PE	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
PP	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
ROW	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Totals	$ -	$ -	$ 2,901	$ 725	$ 514	$ 129	$ -	$ -	$ -	$ -	$ 4,269

Funding Source(s) Total

	Previous Requests		Annual Element		Federal Funding Requests ($000)						Project Totals
Totals	$ -	$ -	$ 2,901	$ 725	$ 514	$ 129	$ -	$ -	$ -	$ -	$ 4,269

TIP MODIFICATION/AMENDMENT ANALYSIS

TIP ID: 40-1803-64

BEFORE

Funding Category	Previous	FY 2019	FY 2020	FY 2021	FY 2022	Total
Section 5307	$ -	$ -		$ -	$ -	$ -
Section 5339	$ -	$ -	$ -	$ -	$ -	
CMAQ	$ -	$ -	$ -	$ -	$ -	$ -
SGR	$ -	$ 2,067	$ 514	$ -	$ -	$ 2,581
Matching Funds	$ -	$ 517	$ 129	$ -	$ -	$ 645
						$ 3,226

ADJUSTMENT

Funding Category	Previous	FY 2019	FY 2020	FY 2021	FY 2022	Total
Section 5307	$ -	$ -	$ -	$ -	$ -	$ -
Section 5339	$ -	$ -	$ -	$ -	$ -	$ -
CMAQ	$ -	$ -	$ -	$ -	$ -	$ -
SGR	$ -	$ 834	$ -	$ -	$ -	$ 834
Matching Funds	$ -	$ 209	$ -	$ -	$ -	$ 209
						$ 1,043

AFTER

Funding Category	Previous	FY 2019	FY 2020	FY 2021	FY 2022	Total
Section 5307	$ -	$ -				$ -
Section 5339	$ -	$ -	$ -	$ -	$ -	$ -
CMAQ	$ -	$ -	$ -	$ -	$ -	$ -
SGR	$ -	$ 2,901	$ 514	$ -	$ -	$ 3,415
Matching Funds	$ -	$ 725	$ 129	$ -	$ -	$ 854
						$ 4,269

Percentage Change 32%

MARC Improvements

TIP ID#	70-1502-54	Year of Operation	Ongoing
Agency	MTA - Commuter Rail	Project Type	Preservation and improvements
Project Category	Commuter Rail	Functional Class	NA
Conformity Status	Exempt	Physical Data	NA
CIP/CTP Page #	Multiple	Est. Total Cost	$66,045,000

Description	Justification
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 Brunswick and Camden lines, system-wide parking lot improvements, the design, procurement, and installation of ADA compliant public address system to all MARC stations on the Brunswick, Camden, and Penn lines, Implementation and development of Positive Train Control for MARC, audio/visual warning system for MARC train approaching, and the collaborative cost-sharing arrangement to advance development of the Northeast corridor infrastructure. In addition to the matching funds listed, MTA has committed $15.4 million in state dollars.	Investments in passenger rail corridor infrastructure improvements are necessary to maintain/improve the safety and quality of MARC infrastructure.

Section 5337 (State of Good Repair Formula Program)

	Previous Requests		Annual Element		Federal Funding Requests ($000)						Project Totals
Phase	Previous Federal Funds	Previous 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	FY 2022 Federal Funds	FY 2022 Matching Funds	Estimated Project Total
CON	$ -	$ -	$ 24,224	$ 6,056	$ 4,973	$ 1,243	$ 10,154	$ 2,538	$ 9,643	$ 2,411	$ 61,242
OTH	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
PE	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
PP	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
ROW	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Totals	$ -	$ -	$ 24,224	$ 6,056	$ 4,973	$ 1,243	$ 10,154	$ 2,538	$ 9,643	$ 2,411	$ 61,242

MARC Improvements

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	FY 2019 Federal Funds	FY 2019 Matching Funds	FY 2020 Federal Funds	FY 2020 Matching Funds	FY 2021 Federal Funds	FY 2021 Matching Funds	FY 2022 Federal Funds	FY 2022 Matching Funds	Estimated Project Total
CON	$ -	$ -	$ -	$ -	$ 243	$ 61	$ 1,187	$ 297	$ 2,412	$ 603	$ 4,803
OTH	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
PE	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
PP	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
ROW	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Totals	$ -	$ -	$ -	$ -	$ 243	$ 61	$ 1,187	$ 297	$ 2,412	$ 603	$ 4,803

Funding Source(s) Total

	Previous Requests		Annual Element		Federal Funding Requests ($000)						Project Totals
Totals	$ -	$ -	$ 24,224	$ 6,056	$ 5,216	$ 1,304	$ 11,341	$ 2,835	$ 12,055	$ 3,014	$ 66,045

TIP MODIFICATION/AMENDMENT ANALYSIS

TIP ID: 70-1502-54

BEFORE

Funding Category	Previous	FY 2019	FY 2020	FY 2021	FY 2022	Total
Section 5307	$ -	$ -	$ 243	$ 1,187.00	$ 2,412.00	$ 3,842
Section 5337	$ -	$ 4,104	$ 4,973	$ 10,154	$ 9,643	$ 28,874
Matching Funds	$ -	$ 1,026	$ 1,304	$ 2,835	$ 3,014	$ 8,179
						$ 40,895

ADJUSTMENT

Funding Category	Previous	FY 2019	FY 2020	FY 2021	FY 2022	Total
Section 5307	$ -	$ -	$ -	$ -	$ -	$ -
Section 5337	$ -	$ 20,120	$ -	$ -	$ -	$ 20,120
Matching Funds	$ -	$ 5,030	$ -	$ -	$ -	$ 5,030
						$ 25,150

AFTER

Funding Category	Previous	FY 2019	FY 2020	FY 2021	FY 2022	Total
Section 5307	$ -	$ -	$ 243	$ 1,187	$ 2,412	$ 3,842
Section 5337	$ -	$ 24,224	$ 4,973	$ 10,154	$ 9,643	$ 48,994
Matching Funds	$ -	$ 6,056	$ 1,304	$ 2,835	$ 3,014	$ 13,209
						$ 66,045

Percent Change 61%

MARC Rolling Stock Overhaul and Replacement

TIP ID#	70-1501-53	Year of Operation	Ongoing
Agency	MTA - Commuter Rail	Project Type	Fleet improvement
Project Category	Commuter Rail	Functional Class	NA
Conformity Status	Exempt	Physical Data	NA
CIP/CTP Page #	Multiple	Est. Total Cost	$47,199,000

Description	Justification
This is an ongoing project for the overhaul and replacement of MARC rolling stock. The overhaul of MARC coaches and locomotives is performed in accordance with "10-year Minor" and "20-year Midlife" schedules and/or the manufacturer's schedule. MARC vehicles will be upgraded with federally-mandated Positive Train Control safety features. In addition to the matching funds listed, MTA has committed $13.2 million in state dollars.	Overhauls will extend the life of mechanical systems and car bodies. This will have the effect of providing safe and reliable vehicles for MARC service while also complying with federally mandated maintenance regulations.

Section 5337 (State of Good Repair Formula Program)

	Previous Requests		Annual Element		Federal Funding Requests ($000)						Project Totals
Phase	Previous Federal Funds	Previous 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	FY 2022 Federal Funds	FY 2022 Matching Funds	Estimated Project Total
CON	$ -	$ -	$ 17,528	$ 4,382	$ 14,441	$ 3,610	$ 2,920	$ 730	$ 2,361	$ 590	$ 46,562
OTH	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
PE	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
PP	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
ROW	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Totals	$ -	$ -	$ 17,528	$ 4,382	$ 14,441	$ 3,610	$ 2,920	$ 730	$ 2,361	$ 590	$ 46,562

MARC Rolling Stock Overhaul and Replacement

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	FY 2019 Federal Funds	FY 2019 Matching Funds	FY 2020 Federal Funds	FY 2020 Matching Funds	FY 2021 Federal Funds	FY 2021 Matching Funds	FY 2022 Federal Funds	FY 2022 Matching Funds	Estimated Project Total
CON	$ -	$ -	$ -	$ -	$ -	$ -	$ 434	$ 109	$ 75	$ 19	$ 637
OTH	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
PE	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
PP	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
ROW	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Totals	$ -	$ -	$ -	$ -	$ -	$ -	$ 434	$ 109	$ 75	$ 19	$ 637

Funding Source(s) Total

	Previous Requests		Annual Element		Federal Funding Requests ($000)						Project Totals
Totals	$ -	$ -	$ 17,528	$ 4,382	$ 14,441	$ 3,610	$ 3,354	$ 839	$ 2,436	$ 609	$ 47,199

TIP MODIFICATION/AMENDMENT ANALYSIS

TIP ID: 70-1501-53

BEFORE

Funding Category	Previous	FY 2019	FY 2020	FY 2021	FY 2022	Total
Section 5307	$ -	$ -	$ -	$ 434.00	$ 75.00	$ 509
Section 5337	$ -	$ 10,877	$ 14,441	$ 2,920	$ 2,361	$ 30,599
Matching Funds	$ -	$ 2,719	$ 3,610	$ 839	$ 609	$ 7,777
						$ 38,885

ADJUSTMENT

Funding Category	Previous	FY 2019	FY 2020	FY 2021	FY 2022	Total
Section 5307	$ -	$ -	$ -	$ -	$ -	$ -
Section 5337	$ -	$ 6,651	$ -	$ -	$ -	$ 6,651
Matching Funds	$ -	$ 1,663	$ -	$ -	$ -	$ 1,663
						$ 8,314

AFTER

Funding Category	Previous	FY 2019	FY 2020	FY 2021	FY 2022	Total
Section 5307	$ -	$ -	$ -	$ 434	$ 75	$ 509
Section 5337	$ -	$ 17,528	$ 14,441	$ 2,920	$ 2,361	$ 37,250
Matching Funds	$ -	$ 4,382	$ 3,610	$ 839	$ 609	$ 9,440
						$ 47,199

Percent Change	21%

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	$44,561,000

Description	Justification
This is an ongoing project to rehabilitate Light Rail and Metro facilities, infrastructure, track, and equipment. In addition to the matching funds listed, MTA has committed $209.3 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	FY 2019 Federal Funds	FY 2019 Matching Funds	FY 2020 Federal Funds	FY 2020 Matching Funds	FY 2021 Federal Funds	FY 2021 Matching Funds	FY 2022 Federal Funds	FY 2022 Matching Funds	Estimated Project Total
CON	$ -	$ -	$ 22,420	$ 5,605	$ 3,286	$ 822	$ 9,942	$ 2,486	$ -	$ -	$ 44,561
OTH	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
PE	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
PP	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
ROW	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Totals	$ -	$ -	$ 22,420	$ 5,605	$ 3,286	$ 822	$ 9,942	$ 2,486	$ -	$ -	$ 44,561

Funding Source(s) Total

	Previous Requests		Annual Element		Federal Funding Requests ($000)						Project Totals
Totals	$ -	$ -	$ 22,420	$ 5,605	$ 3,286	$ 822	$ 9,942	$ 2,486	$ -	$ -	$ 44,561

TIP MODIFICATION/AMENDMENT ANALYSIS

TIP ID: 40-1805-64

BEFORE

Funding Category	Previous	FY 2019	FY 2020	FY 2021	FY 2022	Total
Section 5307	$ -	$ 12,658	$ 3,286	$ 9,942.00	$ -	$ 25,886
Matching Funds	$ -	$ 3,165	$ 822	$ 2,486	$ -	$ 6,472
						$ 32,358

ADJUSTMENT

Funding Category	Previous	FY 2019	FY 2020	FY 2021	FY 2022	Total
Section 5307	$ -	$ 9,762	$ -	$ -	$ -	$ 9,762
Matching Funds	$ -	$ 2,441	$ -	$ -	$ -	$ 2,441
						$ 12,203

AFTER

Funding Category	Previous	FY 2019	FY 2020	FY 2021	FY 2022	Total
Section 5307	$ -	$ 22,420	$ 3,286	$ 9,942	$ -	$ 35,648
Matching Funds	$ -	$ 5,605	$ 822	$ 2,486	$ -	$ 8,912
						$ 44,560

Percent Change	38%