

## **ITEM 8 – Action**

April 17, 2019

Approval to Amend the FY 2019-2024 Transportation Improvement Program (TIP) to Include Project and Funding Updates for the Washington Metropolitan Area Transit Authority (WMATA)

**Staff Recommendation:** Approve Resolution R17-2019 to amend the FY 2019-2024 TIP.

**Issues:** None

**Background:** The WMATA Board adopted the FY 2020-2025 Capital Improvement Program on March 28 and has requested an amendment to update project and funding information for 13 projects in the WMATA section of the TIP. These projects are already included in the Air Quality Conformity Analysis of Visualize 2045 and the FY 2019-2024 TIP or are exempt from the air quality conformity requirement. On April 5, 2019, the Steering Committee reviewed the amendment and recommended approval.



**NATIONAL CAPITAL REGION TRANSPORTATION PLANNING BOARD**  
777 North Capitol Street, N.E.  
Washington, D.C. 20002

**RESOLUTION ON AN AMENDMENT TO THE FY 2019-2024 TRANSPORTATION  
IMPROVEMENT PROGRAM (TIP) THAT IS EXEMPT FROM THE AIR QUALITY CONFORMITY  
REQUIREMENT TO UPDATE PROJECT AND FUNDING AND INFORMATION IN ORDER TO  
MATCH THE APPROVED WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY  
FY 2020-2025 CAPITAL IMPROVEMENT PROGRAM**

**WHEREAS**, the National Capital Region Transportation Planning Board (TPB), which is the metropolitan planning organization (MPO) for the Washington Region, has the responsibility under the provisions of the Fixing America's Surface Transportation (FAST) Act for developing and carrying out a continuing, cooperative and comprehensive transportation planning process for the Metropolitan Area; and

**WHEREAS**, the TIP is required by the Federal Highway Administration (FHWA) and the Federal Transit Administration (FTA) as a basis and condition for all federal funding assistance to state, local and regional agencies for transportation improvements within the Washington planning area; and

**WHEREAS**, on October 17, 2018 the TPB adopted the FY 2019-2024 TIP; and

**WHEREAS**, in the attached letter of March 29, 2019 WMATA has requested an amendment to the FY 2019-2024 TIP to update funding information for thirteen projects to match WMATA's updated FY 2020-2025 Capital Improvement Program, increasing the six-year program total by \$645.46 million from \$8.481 billion to \$9.127 billion, as described in the attached materials; and

**WHEREAS**, the proposed changes are exempt from the air quality conformity requirement, as defined in the Environmental Protection Agency's (EPA) Transportation Conformity Regulations as of April 2012, or are included in the Air Quality Conformity Analysis of Visualize 2045 and the FY 2019-2024 TIP; and

**WHEREAS**, the TPB Steering Committee reviewed the proposed amendment at its meeting on April 5, 2019 and has recommended that the TPB approve the amendment at its April 17, 2019 meeting;

**NOW, THEREFORE, BE IT RESOLVED THAT** the National Capital Region Transportation Planning Board amends the FY 2019-2024 TIP to update funding information for thirteen projects to match WMATA's FY 2020-2025 Capital Improvement Program, increasing the six-year program total by \$645.46 million from \$8.481 billion to \$9.127 billion, as described in the attached materials.





March 29, 2019

The Honorable Martin Nohe  
Chairman, National Capital Region  
Transportation Planning Board  
Metropolitan Washington Council of Governments  
777 North Capitol Street, N.E., Suite 300  
Washington, DC 20002-4201

RE: Approval of an Amendment to the FY2019-2024 TIP to Update Project Information for FY2020-2024 in order to align with the FY2020-2025 Capital Budget of the Washington Metropolitan Area Transit Authority (WMATA)

Dear Chairman Nohe:

The WMATA Board approved its FY 2020-2025 Capital Budget on March 28, 2019. WMATA is requesting an amendment to the TPB's FY 2019-2024 TIP to align with Metro's six-year Capital Program. The region's six-year Transportation Improvement Program (TIP) outlines the schedule for obligating federal funds to state and local projects. The purpose of this amendment is to modify project budgets and sources of funds in the TIP for FY2020 in order to align with those in WMATA's FY2020 grant applications that will be submitted to the Federal Transit Administration (FTA).

Attachments A-1 through A-5 are a summary of the proposed FY2020-2024 project budgets and funding-source information for this TIP amendment. These funding sources include only new federal and local funds and exclude funding that will be carried forward from prior years. Attachments B-1 through B-5 show the FY2020-2024 project budgets that are part of the currently adopted TIP as well as the proposed changes to each budget. The TIP's overall FY2020-2024 capital program for WMATA would be increased by \$645.5 million from \$7,230.2 million to \$7,875.7 million. This change reflects the availability of federal, state and local funds, including the federal funds authorized under the Passenger Rail Investment and Improvement Act of 2008 (PRIIA) and the required local match for those federal funds.

WMATA's FY2020-2025 Approved Budget increases local capital funding by \$500 million annually, generated by the Dedicated Capital Funding provided by the State of Maryland, the District of Columbia, and the Commonwealth of Virginia. This is indicated in the attached appendices as increased local/jurisdictional contributions. Given the availability of additional funding, Metro is accelerating activities such as the Platform Rehabilitation (TIP 5856) and Office Consolidation (TIP 5862)

**Washington  
Metropolitan Area  
Transit Authority**

600 Fifth Street, NW  
Washington, D.C. 20001  
202/962-1234

*By Metrorail:  
Judiciary Square-Red Line  
Gallery Place-Chinatown  
Red, Green and  
Yellow Lines*

*A District of Columbia  
Maryland and Virginia  
Transit Partnership*

initiatives which will now be completed within the first three program years. Additionally, the proposed TIP amendment includes changes to Reimbursable projects of approximately \$232 million, mainly related to funding received from the City of Alexandria to fund the Potomac Yards station (TIP 5860). WMATA is not changing the "Visualize 2045" financial plan; these changes are only timing adjustments to complete certain initiatives earlier than originally planned.

These TIP projects do not affect the currently approved air quality conformity analysis because these projects are either exempt or not regionally significant in terms of air quality.

WMATA's submission for this FY 2019-2024 TIP amendment is structured into nine major categories, with 13 individual capital programs, as shown in Attachments A1 through A5. The FY2020-2024 capital projects and funding levels shown are consistent with the FY 2020-2025 Capital Improvement Program (CIP) that was approved by the WMATA's Board of Directors on March 28, 2019. Prior to approval of the CIP, WMATA held a public hearing on its proposed operating and capital budgets, including the proposed sources and uses of its capital funds.

In addition to the requirement of consistency with an approved TIP, the FTA requires that agency grant applications match the corresponding State Transportation Improvement Program (STIP) for that agency. WMATA's TIP is considered part of the District of Columbia's STIP. If approved by the Transportation Planning Board, WMATA will request that this amendment be reflected in the District of Columbia's STIP as soon as possible, to enable the FTA review.

WMATA requests that the Transportation Planning Board approve this amendment at its April 17, 2019 meeting. Thank you for your continued support of WMATA.

Sincerely,



Yetunde Olumide  
Managing Director  
Office of Management and Budget Services

Attachments

**FY20 Revised/Proposed TIP**

**Attachment A-1**

(In Millions)

TIP ID	Category	TIP Sub-Category	Proposed/Revised FY20 Total	Federal 5307 Grants	Federal 5337 Grants	Federal 5339 Grants	Federal PRIIA Grants	Federal 5339b Grants	VA CMAQ	Local Funding	Other Sources Non-Fed
5853	A. Vehicles / Vehicle Parts	Rail Cars - Replacement, Rehabilitation & Enhancements	\$251.9	0.0	59.0	0.0	100.0	0.0	0.0	92.9	0.0
5854		Buses - Replacement, Rehabilitation & Enhancements	161.8	111.7	0.0	14.2	0.0	5.3	4.5	26.1	0.0
5855		Access & Service Vehicles	12.0	0.0	0.0	0.0	0.0	0.0	0.0	12.0	0.0
5856	B. Rail System Infrastructure Rehabilitation	Rail System Infrastructure Rehabilitation	389.0	0.0	50.0	0.0	168.0	0.0	0.0	166.0	5.0
5857	C. Maintenance Facilities	Bus Garages - Systemwide Maintenance, Expansion, Rehabilitation, and Replacement	15.1	4.8	0.0	0.0	0.0	0.0	0.0	10.3	0.0
5866		Rail Yards - Systemwide Maintenance, Expansion, Rehabilitation, and Replacement	2.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0
5867		Facilities Maintenance Support - Systemwide Support Equipment, Environmental Compliance Projects, and Administrative Support	40.0	0.0	0.0	0.0	0.0	0.0	0.0	40.0	0.0
5858	D. Systems and Technology	Systems and Technology	163.7	48.0	0.0	0.0	0.0	0.0	0.0	115.7	0.0
5859	E. Track and Structures	Track and Structures	190.0	0.0	95.0	0.0	0.0	0.0	0.0	95.1	0.0
5860	F. Passenger Facilities	Passenger Facilities	241.6	52.0	1.0	0.0	29.0	0.0	0.0	88.9	70.6
5861	G. Maintenance Equipment	Maintenance Equipment	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0
5862	H. Other Facilities	Other Facilities	68.5	0.0	0.0	0.0	0.0	0.0	0.0	68.5	0.0
5863	I. Project Management and Support	Project Management and Support	2.9	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0
<b>Total Capital Improvement Plan</b>			<b>\$1,539.2</b>	<b>\$216.5</b>	<b>\$205.0</b>	<b>\$14.2</b>	<b>\$297.0</b>	<b>\$5.3</b>	<b>\$4.5</b>	<b>\$721.1</b>	<b>\$75.6</b>

**FY21 Revised/Proposed TIP**

**Attachment A-2**

**(In Millions)**

TIP ID	Category	TIP Sub-Category	Proposed/ Revised FY21 Total	Federal 5307 Grants	Federal 5337 Grants	Federal 5339 Grants	Federal PRIIA Grants	VA CMAQ	Local Funding	Other Sources Non-Fed
5853	A. Vehicles / Vehicle Parts	Rail Cars - Replacement, Rehabilitation & Enhancements	\$162.0	0.0	60.0	0.0	50.0	0.0	52.0	0.0
5854		Buses - Replacement, Rehabilitation & Enhancements	146.2	104.7	0.0	14.2	0.0	5.2	22.2	0.0
5855		Access & Service Vehicles	5.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0
5856	B. Rail System Infrastructure Rehabilitation	Rail System Infrastructure Rehabilitation	388.1	0.0	33.0	0.0	224.0	0.0	131.1	0.0
5857	C. Maintenance Facilities	Bus Garages - Systemwide Maintenance, Expansion, Rehabilitation, and Replacement	79.4	26.0	0.0	0.0	0.0	0.0	53.4	0.0
5866		Rail Yards - Systemwide Maintenance, Expansion, Rehabilitation, and Replacement	12.9	0.0	0.0	0.0	0.0	0.0	12.9	0.0
5867		Facilities Maintenance Support - Systemwide Support Equipment, Environmental Compliance Projects, and Administrative Support	121.6	0.0	0.0	0.0	0.0	0.0	121.6	0.0
5858	D. Systems and Technology	Systems and Technology	146.5	41.0	0.0	0.0	0.0	0.0	105.5	0.0
5859	E. Track and Structures	Track and Structures	215.5	0.0	93.0	0.0	0.0	0.0	122.5	0.0
5860	F. Passenger Facilities	Passenger Facilities	272.1	25.0	19.0	0.0	23.0	0.0	91.7	113.5
5861	G. Maintenance Equipment	Maintenance Equipment	3.1	0.0	0.0	0.0	0.0	0.0	3.1	0.0
5862	H. Other Facilities	Other Facilities	127.1	0.0	0.0	0.0	0.0	0.0	127.1	0.0
5863	I. Project Management and Support	Project Management and Support	5.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0
<b>Total Capital Improvement Plan</b>			<b>\$1,684.6</b>	<b>\$196.7</b>	<b>\$205.0</b>	<b>\$14.2</b>	<b>\$297.0</b>	<b>\$5.2</b>	<b>\$853.1</b>	<b>\$113.5</b>



**FY22 Revised/Proposed TIP**  
**Attachment A-3**  
**(In Millions)**

TIP ID	Category	TIP Sub-Category	Proposed/Revised FY22 Total	Federal 5307 Grants	Federal 5337 Grants	Federal 5339 Grants	Federal PRIIA Grants	VA CMAQ	Local Funding	Other Sources Non-Fed
5853	A. Vehicles / Vehicle Parts	Rail Cars - Replacement, Rehabilitation & Enhancements	\$156.2	0.0	60.0	0.0	67.0	0.0	29.2	0.0
5854		Buses - Replacement, Rehabilitation & Enhancements	126.9	67.7	0.0	14.2	0.0	5.5	39.5	0.0
5855		Access & Service Vehicles	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5856	B. Rail System Infrastructure Rehabilitation	Rail System Infrastructure Rehabilitation	300.8	0.0	33.0	0.0	194.0	0.0	73.8	0.0
5857	C. Maintenance Facilities	Bus Garages - Systemwide Maintenance, Expansion, Rehabilitation, and Replacement	105.5	63.0	0.0	0.0	0.0	0.0	42.5	0.0
5866		Rail Yards - Systemwide Maintenance, Expansion, Rehabilitation, and Replacement	20.8	0.0	0.0	0.0	0.0	0.0	20.8	0.0
5867		Facilities Maintenance Support - Systemwide Support Equipment, Environmental Compliance Projects, and Administrative Support	167.7	0.0	0.0	0.0	0.0	0.0	167.7	0.0
5858	D. Systems and Technology	Systems and Technology	142.8	41.0	0.0	0.0	0.0	0.0	101.8	0.0
5859	E. Track and Structures	Track and Structures	244.2	0.0	93.0	0.0	0.0	0.0	151.2	0.0
5860	F. Passenger Facilities	Passenger Facilities	235.2	25.0	19.0	0.0	36.0	0.0	82.6	72.6
5861	G. Maintenance Equipment	Maintenance Equipment	3.1	0.0	0.0	0.0	0.0	0.0	3.1	0.0
5862	H. Other Facilities	Other Facilities	153.2	0.0	0.0	0.0	0.0	0.0	153.2	0.0
5863	I. Project Management and Support	Project Management and Support	10.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0
<b>Total Capital Improvement Plan</b>			<b>\$1,666.4</b>	<b>\$196.7</b>	<b>\$205.0</b>	<b>\$14.2</b>	<b>\$297.0</b>	<b>\$5.5</b>	<b>\$875.5</b>	<b>\$72.6</b>

**FY23 Revised/Proposed TIP**

**Attachment A-4**

**(In Millions)**

TIP ID	Category	TIP Sub-Category	Proposed/Revised FY23 Total	Federal 5307 Grants	Federal 5337 Grants	Federal 5339 Grants	Federal PRIIA Grants	VA CMAQ	Local Funding	Other Sources Non-Fed
5853	A. Vehicles / Vehicle Parts	Rail Cars - Replacement, Rehabilitation & Enhancements	\$214.0	0.0	60.0	0.0	125.0	0.0	29.0	0.0
5854		Buses - Replacement, Rehabilitation & Enhancements	142.1	98.4	0.0	14.2	0.0	3.5	26.1	0.0
5855		Access & Service Vehicles	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5856	B. Rail System Infrastructure Rehabilitation	Rail System Infrastructure Rehabilitation	132.0	0.0	15.0	0.0	86.0	0.0	31.0	0.0
5857	C. Maintenance Facilities	Bus Garages - Systemwide Maintenance, Expansion, Rehabilitation, and Replacement	71.0	53.0	0.0	0.0	0.0	0.0	18.0	0.0
5866		Rail Yards - Systemwide Maintenance, Expansion, Rehabilitation, and Replacement	25.0	0.0	0.0	0.0	0.0	0.0	25.0	0.0
5867		Facilities Maintenance Support - Systemwide Support Equipment, Environmental Compliance Projects, and Administrative Support	127.3	20.3	35.5	0.0	0.0	0.0	71.6	0.0
5858	D. Systems and Technology	Systems and Technology	128.5	0.0	0.0	0.0	44.0	0.0	84.5	0.0
5859	E. Track and Structures	Track and Structures	254.5	0.0	73.0	0.0	20.0	0.0	161.5	0.0
5860	F. Passenger Facilities	Passenger Facilities	312.1	25.0	21.5	0.0	22.0	0.0	144.1	99.6
5861	G. Maintenance Equipment	Maintenance Equipment	3.1	0.0	0.0	0.0	0.0	0.0	3.1	0.0
5862	H. Other Facilities	Other Facilities	62.3	0.0	0.0	0.0	0.0	0.0	62.3	0.0
5863	I. Project Management and Support	Project Management and Support	13.0	0.0	0.0	0.0	0.0	0.0	13.0	0.0
<b>Total Capital Improvement Plan</b>			<b>\$1,485.0</b>	<b>\$196.7</b>	<b>\$205.0</b>	<b>\$14.2</b>	<b>\$297.0</b>	<b>\$3.5</b>	<b>\$669.2</b>	<b>\$99.6</b>

**FY24 Revised/Proposed TIP**

**Attachment A-5**

**(In Millions)**

TIP ID	Category	TIP Sub-Category	Proposed/Revised FY24 Total	Federal 5307 Grants	Federal 5337 Grants	Federal 5339 Grants	Federal PRIIA Grants	VA CMAQ	Local Funding	Other Sources Non-Fed
5853	A. Vehicles / Vehicle Parts	Rail Cars - Replacement, Rehabilitation & Enhancements	\$267.7	0.0	60.0	0.0	153.0	0.0	54.7	0.0
5854		Buses - Replacement, Rehabilitation & Enhancements	147.3	113.7	0.0	14.2	0.0	3.7	15.7	0.0
5855		Access & Service Vehicles	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5856	B. Rail System Infrastructure Rehabilitation	Rail System Infrastructure Rehabilitation	103.2	0.0	3.0	0.0	74.0	0.0	26.2	0.0
5857	C. Maintenance Facilities	Bus Garages - Systemwide Maintenance, Expansion, Rehabilitation, and Replacement	70.4	58.0	0.0	0.0	0.0	0.0	12.4	0.0
5866		Rail Yards - Systemwide Maintenance, Expansion, Rehabilitation, and Replacement	8.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0
5867		Facilities Maintenance Support - Systemwide Support Equipment, Environmental Compliance Projects, and Administrative Support	132.5	0.0	52.0	0.0	0.0	0.0	80.5	0.0
5858	D. Systems and Technology	Systems and Technology	170.1	0.0	0.0	0.0	44.0	0.0	126.1	0.0
5859	E. Track and Structures	Track and Structures	254.7	0.0	75.0	0.0	20.0	0.0	159.7	0.0
5860	F. Passenger Facilities	Passenger Facilities	311.6	25.0	15.0	0.0	6.0	0.0	216.5	49.1
5861	G. Maintenance Equipment	Maintenance Equipment	3.2	0.0	0.0	0.0	0.0	0.0	3.2	0.0
5862	H. Other Facilities	Other Facilities	26.0	0.0	0.0	0.0	0.0	0.0	26.0	0.0
5863	I. Project Management and Support	Project Management and Support	6.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0
<b>Total Capital Improvement Plan</b>			<b>\$1,500.5</b>	<b>\$196.7</b>	<b>\$205.0</b>	<b>\$14.2</b>	<b>\$297.0</b>	<b>\$3.7</b>	<b>\$735.0</b>	<b>\$49.1</b>

**FY20 TIP Program**  
**Attachment B-1**  
**(In Millions)**

TIP ID	Category	TIP Sub-Category	Approved FY 2020 TIP Budget	Proposed FY 2020 TIP Budget	\$ Change	% Change
5853	A. Vehicles / Vehicle Parts	Rail Cars - Replacement, Rehabilitation & Enhancements	\$148.3	\$251.9	\$103.6	69.8%
5854		Buses - Replacement, Rehabilitation & Enhancements	\$186.9	\$161.8	(25.1)	-13.4%
5855		Access & Service Vehicles	\$4.2	\$12.0	7.8	185.7%
5856	B. Rail System Infrastructure Rehabilitation	Rail System Infrastructure Rehabilitation	\$182.1	\$389.0	206.9	113.7%
5857	C. Maintenance Facilities	Bus Garages - Systemwide Maintenance, Expansion, Rehabilitation, and Replacement	\$93.6	\$15.1	(78.5)	-83.9%
5866		Rail Yards - Systemwide Maintenance, Expansion, Rehabilitation, and Replacement	\$22.4	\$2.0	(20.4)	-91.1%
5867		Facilities Maintenance Support - Systemwide Support Equipment, Environmental Compliance Projects, and Administrative Support	\$109.3	\$40.0	(69.4)	-63.4%
5858	D. Systems and Technology	Systems and Technology	\$101.5	\$163.7	62.1	61.2%
5859	E. Track and Structures	Track and Structures	\$194.6	\$190.0	(4.6)	-2.3%
5860	F. Passenger Facilities	Passenger Facilities	\$223.1	\$241.6	18.5	8.3%
5861	G. Maintenance Equipment	Maintenance Equipment	\$2.0	\$0.8	(1.2)	-60.0%
5862	H. Other Facilities	Other Facilities	\$14.5	\$68.5	54.0	372.4%
5863	I. Project Management and Support	Project Management and Support	\$5.5	\$2.9	(2.6)	-47.7%
	<b>Total Capital Improvement Plan</b>		<b>\$1,288.0</b>	<b>\$1,539.2</b>	<b>\$251.2</b>	<b>19.5%</b>

## FY21 TIP Program

### Attachment B-2

(In Millions)

TIP ID	Category	TIP Sub-Category	Approved FY21 TIP Budget	Proposed FY21 TIP Budget	\$ Change	% Change
5853	A. Vehicles / Vehicle Parts	Rail Cars - Replacement, Rehabilitation & Enhancements	\$239.5	\$162.0	(\$77.4)	-32.3%
5854		Buses - Replacement, Rehabilitation & Enhancements	\$200.9	\$146.2	(54.7)	-27.2%
5855		Access & Service Vehicles	\$4.6	\$5.0	0.4	8.2%
5856	B. Rail System Infrastructure Rehabilitation	Rail System Infrastructure Rehabilitation	\$149.4	\$388.1	238.8	159.8%
5857	C. Maintenance Facilities	Bus Garages - Systemwide Maintenance, Expansion, Rehabilitation, and Replacement	\$65.3	\$79.4	14.2	21.7%
5866		Rail Yards - Systemwide Maintenance, Expansion, Rehabilitation, and Replacement	\$32.0	\$12.9	(19.1)	-59.7%
5867		Facilities Maintenance Support - Systemwide Support Equipment, Environmental Compliance Projects, and Administrative Support	\$94.3	\$121.6	27.2	28.8%
5858	D. Systems and Technology	Systems and Technology	\$109.6	\$146.5	36.9	33.6%
5859	E. Track and Structures	Track and Structures	\$238.8	\$215.5	(23.3)	-9.8%
5860	F. Passenger Facilities	Passenger Facilities	\$210.0	\$272.1	62.1	29.6%
5861	G. Maintenance Equipment	Maintenance Equipment	\$2.0	\$3.1	1.1	53.7%
5862	H. Other Facilities	Other Facilities	\$14.5	\$127.1	112.6	776.7%
5863	I. Project Management and Support	Project Management and Support	\$5.8	\$5.0	(0.8)	-13.0%
	<b>Total Capital Improvement Plan</b>		<b>\$1,366.7</b>	<b>\$1,684.6</b>	<b>\$317.9</b>	<b>23.3%</b>

## FY22 TIP Program

### Attachment B-3

(In Millions)

TIP ID	Category	TIP Sub-Category	Approved FY22 TIP Budget	Proposed FY22 TIP Budget	\$ Change	% Change
5853	A. Vehicles / Vehicle Parts	Rail Cars - Replacement, Rehabilitation & Enhancements	\$198.7	\$156.2	(\$42.4)	-21.4%
5854		Buses - Replacement, Rehabilitation & Enhancements	\$174.0	\$126.9	(47.1)	-27.1%
5855		Access & Service Vehicles	\$5.1	\$0.0	(5.1)	-100.0%
5856	B. Rail System Infrastructure Rehabilitation	Rail System Infrastructure Rehabilitation	\$69.7	\$300.8	231.1	331.5%
5857	C. Maintenance Facilities	Bus Garages - Systemwide Maintenance, Expansion, Rehabilitation, and Replacement	\$99.6	\$105.5	5.8	5.9%
5866		Rail Yards - Systemwide Maintenance, Expansion, Rehabilitation, and Replacement	\$15.0	\$20.8	5.8	38.7%
5867		Facilities Maintenance Support - Systemwide Support Equipment, Environmental Compliance Projects, and Administrative Support	\$127.2	\$167.7	40.5	31.9%
5858	D. Systems and Technology	Systems and Technology	\$134.9	\$142.8	7.9	5.9%
5859	E. Track and Structures	Track and Structures	\$283.8	\$244.2	(39.6)	-14.0%
5860	F. Passenger Facilities	Passenger Facilities	\$279.6	\$235.2	(44.4)	-15.9%
5861	G. Maintenance Equipment	Maintenance Equipment	\$2.0	\$3.1	1.1	54.9%
5862	H. Other Facilities	Other Facilities	\$104.5	\$153.2	48.7	46.6%
5863	I. Project Management and Support	Project Management and Support	\$6.2	\$10.0	3.8	61.2%
	<b>Total Capital Improvement Plan</b>		<b>\$1,500.3</b>	<b>\$1,666.4</b>	<b>\$166.1</b>	<b>11.1%</b>

## FY23 TIP Program

### Attachment B-4

(In Millions)

TIP ID	Category	TIP Sub-Category	Approved FY23 TIP Budget	Proposed FY23 TIP Budget	\$ Change	% Change
5853	A. Vehicles / Vehicle Parts	Rail Cars - Replacement, Rehabilitation & Enhancements	\$166.7	\$214.0	\$47.3	28.4%
5854		Buses - Replacement, Rehabilitation & Enhancements	\$183.8	\$142.1	(41.7)	-22.7%
5855		Access & Service Vehicles	\$5.6	\$0.0	(5.6)	-100.0%
5856	B. Rail System Infrastructure Rehabilitation	Rail System Infrastructure Rehabilitation	\$57.6	\$132.0	74.3	129.0%
5857	C. Maintenance Facilities	Bus Garages - Systemwide Maintenance, Expansion, Rehabilitation, and Replacement	\$75.3	\$71.0	(4.4)	-5.8%
5866		Rail Yards - Systemwide Maintenance, Expansion, Rehabilitation, and Replacement	\$5.0	\$25.0	20.0	400.0%
5867		Facilities Maintenance Support - Systemwide Support Equipment, Environmental Compliance Projects, and Administrative Support	\$193.9	\$127.3	(66.6)	-34.3%
5858	D. Systems and Technology	Systems and Technology	\$128.9	\$128.5	(0.4)	-0.3%
5859	E. Track and Structures	Track and Structures	\$399.8	\$254.5	(145.2)	-36.3%
5860	F. Passenger Facilities	Passenger Facilities	\$249.8	\$312.1	62.3	24.9%
5861	G. Maintenance Equipment	Maintenance Equipment	\$2.0	\$3.1	1.1	56.2%
5862	H. Other Facilities	Other Facilities	\$39.5	\$62.3	22.8	57.6%
5863	I. Project Management and Support	Project Management and Support	\$17.0	\$13.0	(4.0)	-23.5%
	<b>Total Capital Improvement Plan</b>		<b>\$1,525.0</b>	<b>\$1,485.0</b>	<b>(\$40.0)</b>	<b>-2.6%</b>

## FY24 TIP Program

### Attachment B-5

(In Millions)

TIP ID	Category	TIP Sub-Category	Approved FY24 TIP Budget	Proposed FY24 TIP Budget	\$ Change	% Change
5853	A. Vehicles / Vehicle Parts	Rail Cars - Replacement, Rehabilitation & Enhancements	\$360.9	\$267.7	(\$93.2)	-25.8%
5854		Buses - Replacement, Rehabilitation & Enhancements	\$188.5	\$147.3	(41.3)	-21.9%
5855		Access & Service Vehicles	\$5.6	\$0.0	(5.6)	-100.0%
5856	B. Rail System Infrastructure Rehabilitation	Rail System Infrastructure Rehabilitation	\$44.0	\$103.2	59.2	134.5%
5857	C. Maintenance Facilities	Bus Garages - Systemwide Maintenance, Expansion, Rehabilitation, and Replacement	\$47.3	\$70.4	23.0	48.7%
5866		Rail Yards - Systemwide Maintenance, Expansion, Rehabilitation, and Replacement	\$0.0	\$8.0	8.0	#DIV/0!
5867		Facilities Maintenance Support - Systemwide Support Equipment, Environmental Compliance Projects, and Administrative Support	\$208.8	\$132.5	(76.3)	-36.5%
5858	D. Systems and Technology	Systems and Technology	\$115.5	\$170.1	54.6	47.3%
5859	E. Track and Structures	Track and Structures	\$321.9	\$254.7	(67.2)	-20.9%
5860	F. Passenger Facilities	Passenger Facilities	\$243.7	\$311.6	67.8	27.8%
5861	G. Maintenance Equipment	Maintenance Equipment	\$2.0	\$3.2	1.2	57.5%
5862	H. Other Facilities	Other Facilities	\$4.5	\$26.0	21.5	477.8%
5863	I. Project Management and Support	Project Management and Support	\$7.5	\$6.0	(1.5)	-20.0%
<b>Total Capital Improvement Plan</b>			<b>\$1,550.2</b>	<b>\$1,500.5</b>	<b>(\$49.7)</b>	<b>-3.2%</b>



WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY  
FY 2019-2024 TRANSPORTATION IMPROVEMENT PROGRAM  
CAPITAL COSTS (in \$1,000)

Source		Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Source Total
TIP ID: 5853 Agency ID:		Title: Rail Cars - Replacement, Rehabilitation, Expansion, & Enhancements								
Facility:	Local	0/0/100		89,348 e	92,919 e	52,035 e	29,241 e	29,016 e	54,731 e	347,290
From:										
To:	PRIIA	50/0/50		235,101 e	100,000 e	50,000 e	67,000 e	125,000 e	153,000 e	730,101
	Sect. 5337-SGR	80/0/20		95,000 e	59,000 e	60,000 e	60,000 e	60,000 e	60,000 e	394,000
	WIP	0/0/100		1,339 e						1,339
<b>Total Funds: 1,472,730</b>										

Description: Provides funds for:

- a. Replacement of Rail Cars: replacement of the rail fleet, including the 1000-Series and 4000-Series rail cars.
- b. Rehabilitation of Rail Cars: mid-life rehabilitation of rail fleet.
- c. Rail Fleet Expansion: expansion of the rail fleet to meet ridership growth.
- d. Rail Enhancements: enhancements to the rail fleet that improve safety, reliability, and passenger comfort.
- e. Preventative Maintenance for railcars

TIP ID: 5854 Agency ID:		Title: Buses - Replacement, Rehabilitation, Expansion, & Enhancements								
Facility:	CMAQ	80/0/20		7,399 e	4,500 e	5,164 e	5,536 e	3,500 e	3,700 e	29,799
From:										
To:	Local	0/0/100		13,433 e	26,089 e	22,207 e	39,470 e	26,101 e	15,731 e	143,029
	Sect. 5307	80/0/20		126,187 e	111,694 e	104,691 e	67,691 e	98,390 e	113,691 e	622,343
	Sect. 5339(a)	80/0/20		10,530 e	14,156 e	14,156 e				38,842
	Sect. 5339(b)	80/0/20			5,313 e		14,156 e	14,156 e	14,156 e	47,780
<b>Total Funds: 881,793</b>										

Description: Provides funds for

- a. Replacement of Buses: replacement of the bus fleet.
- b. Rehabilitation of Buses: mid-life rehabilitation of the bus fleet.
- c. Bus Enhancements: purchase and/or replacement of equipment that upgrades or enhances the capability of the bus fleet.
- d. Bus Fleet Expansion: expansion of the bus fleet to meet ridership growth.

TIP ID: 5855 Agency ID:		Title: MetroAccess and Service Vehicles								
Facility:	Local	0/0/100		6,600 e	12,000 e	5,000 e				23,600
From:										
To:										<b>Total Funds: 23,600</b>

Description: Provides funds for

- a. MetroAccess Vehicles: purchase/ replacement of Metro Access vehicles.
- b. Replacement of Service Vehicles: purchase/ replacement of vehicles that will be used Authority-wide for service activities.

Proposed for Amendment  
4/17/2019

WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY  
FY 2019-2024 TRANSPORTATION IMPROVEMENT PROGRAM  
CAPITAL COSTS (in \$1,000)

	Source	Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Source Total
<b>TIP ID: 5856 Agency ID: Title: Rail Line Segment Rehabilitation</b>										
Facility:	BUILD	100/0/0		20,000 e						20,000
From:	Local	0/0/100		77,130 e	166,006 e	131,117 e	73,774 e	30,970 e	26,166 e	505,164
To:	PRIIA	50/0/50		58,899 e	168,000 e	224,000 e	194,000 e	86,000 e	74,000 e	804,899
	Sect. 5337-SGR	80/0/20		10,250 e	50,000 e	33,000 e	33,000 e	15,000 e	3,000 e	144,250
	WIP	0/0/100		8,000 e	5,000 e					13,000

**Total Funds: 1,487,313**

Description: a. Provides funds for rehabilitation of segments of Metrorail system, particularly the Red, Orange and Blue lines.  
b. Preventative Maintenance for rail system infrastructure rehabilitation.

<b>TIP ID: 5857 Agency ID: Title: Bus Garages - Systemwide Maintenance, Expansion, Rehabilitation, and Replacement</b>										
Facility:	Local	0/0/100		15,000 e	10,300 e	53,420 e	42,480 e	17,980 e	12,350 e	151,530
From:	Sect. 5307	80/0/20		15,000 e	4,800 e	26,000 e	63,000 e	53,000 e	58,000 e	219,800

**Total Funds: 371,330**

Description: Provides funds for:  
a. Rehabilitation and Replacement of Bus Garages: upgrades, rehabilitation, and/or replacement of bus garages and maintenance facilities, including the rehabilitation of the Bladensburg bus facility and the replacement of the Southern Avenue, Royal Street (Cinder Bed Road), Shepard Parkway bus garages.  
b. Maintenance of Bus Garages: maintenance of bus garages/maintenance facilities.  
c. Expansion of Bus Garages: expansion of bus garages to meet storage and maintenance needs of growing fleet.

<b>TIP ID: 5858 Agency ID: Title: Systems and Technology</b>										
Facility:	Local	0/0/100		84,305 e	115,655 e	105,484 e	101,800 e	84,525 e	126,119 e	617,888
From:	PRIIA	50/0/50						44,000 e	44,000 e	88,000
To:	Sect. 5307	80/0/20			48,000 e	41,000 e	41,000 e			130,000

**Total Funds: 835,888**

Description: Provides funds for  
a. Rail Power Systems: upgrade of rail system's power supply.  
b. Operations Support Software: purchase and/or replacement of software that supports the transit system.  
c. Business Support Software & Equipment: purchase and/or replacement of software and equipment that supports the agency's mission.  
d. Rail Fare Equipment: purchase and/or replacement of fare equipment for the transit system.

Proposed for Amendment  
4/17/2019

WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY  
FY 2019-2024 TRANSPORTATION IMPROVEMENT PROGRAM  
CAPITAL COSTS (in \$1,000)

			Source	Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Source Total
<b>TIP ID: 5859</b>			Agency ID:			Title: <b>Track and Structures</b>						
Facility:	Local	0/0/100				69,846 e	95,088 e	122,485 e	151,212 e	161,542 e	159,681 e	759,853
From:												
To:	PRIIA	50/0/50								20,000 e	20,000 e	40,000
	Sect. 5337-SGR	80/0/20				76,639 e	94,953 e	93,000 e	93,000 e	73,000 e	75,000 e	505,592
<b>Total Funds: 1,305,445</b>												

Description: Provides funds for:

- a. Track Rehabilitation: maintain and rehabilitate track and track infrastructure including aerial structures.
- b. Station/Tunnel Rehabilitation: repair of water leaks in stations, vent shafts, air ducts, tunnels, tunnel liners, and other areas in the system.
- c. Preventative Maintenance for track and structures

<b>TIP ID: 5860</b>			Agency ID:			Title: <b>Passenger Facilities</b>						
Facility:	Local	0/0/100				116,179 e	88,949 e	91,718 e	82,648 e	144,079 e	216,506 e	740,079
From:												
To:	PRIIA	50/0/50					29,000 e	23,000 e	36,000 e	22,000 e	6,000 e	116,000
	Sect. 5307	80/0/20				47,564 e	52,000 e	25,000 e	25,000 e	25,000 e	25,000 e	199,564
	Sect. 5337-SGR	80/0/20					1,000 e	18,953 e	18,953 e	21,500 e	15,000 e	75,406
	WIP	0/0/100				21,147 e	70,631 e	113,477 e	72,610 e	99,552 e	49,052 e	426,468
<b>Total Funds: 1,557,517</b>												

Description: Provides funds for

- a. Elevator/ Escalator Facilities: rehabilitation of elevator and escalators and expansion of elevator capacity.
- b. Maintenance of Rail Station Facilities: upgrade, rehabilitation, and/or replacement of station area components.
- c. Bicycle/ Pedestrian Facilities: rehabilitation, replacement and expansion of bicycle and pedestrian facilities.
- d. Rail Station Capacity/ Enhancements: expand the capacity of rail stations, improve passenger access, and protect exposed assets.
- e. Bus Priority Corridor Improvements: bus stops, runningway enhancements, street operations management and safety strategies to produce more reliable bus.
- f. Rail Station Equipment: purchase of equipment to be used in rail stations, including police emergency management equipment and other related.
- g. Preventative Maintenance for passenger facilities

<b>TIP ID: 5861</b>			Agency ID:			Title: <b>Maintenance Equipment</b>						
Facility:	Local	0/0/100				1,500 e	800 e	3,074 e	3,099 e	3,124 e	3,150 e	14,747
From:												
To:												
<b>Total Funds: 14,747</b>												

Description: Provides funds for

- a. Rail Maintenance Equipment: purchase and/or replacement of equipment to maintain the rail system.
- b. Bus Repair Equipment: purchase and/or replacement of repair equipment.
- c. Business Facilities Equipment: purchase and/or replacement of equipment that supports the business process of the agency.

WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY  
FY 2019-2024 TRANSPORTATION IMPROVEMENT PROGRAM  
CAPITAL COSTS (in \$1,000)

Source	Fed/St/Loc	Previous Funding	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Source Total
<b>TIP ID: 5862 Agency ID: Title: Other Support Facilities</b>									
Facility:	Local	0/0/100	5,800 e	68,500 e	127,122 e	153,200 e	62,250 e	26,000 e	442,872

From: \_\_\_\_\_ **Total Funds: 442,872**

To: \_\_\_\_\_

Description: Provides funds for:  
a. Business Support Facilities: facilities that support business operations functions.  
b. Metro Transit Police Department (MTPD) Support Facilities Rehabilitation: upgrade and rehabilitation of MTPD facilities.  
c. MTPD Support Facilities Expansion: expansion of MTPD to meet new ridership and facility demands, to include the new District 2, police training facility, and special operations division facility.

<b>TIP ID: 5863 Agency ID: Title: Credit Facility</b>									
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Facility:	Local	0/0/100	30,785 e	5,499 e	2,850 e	5,000 e	10,000 e	13,000 e	6,000 e	42,349
From:	_____									
To:	_____ <b>Total Funds: 42,349</b>									

Description: Provides funds to maintain a line of credit to meet cash flow needs.

<b>TIP ID: 5866 Agency ID: Title: Rail Yards - Systemwide Maintenance, Expansion, Rehabilitation and Replacement</b>									
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Facility:	Local	0/0/100	9,300 e	2,000 e	12,900 e	20,800 e	25,000 e	8,000 e	78,000	
From:	_____									
To:	PRIIA	50/0/50	3,000 e	_____						3,000

\_\_\_\_\_ **Total Funds: 81,000**

Description: Provides funds for  
a. Maintenance of Rail Yards: maintenance and/or rehabilitation of rail maintenance yards.  
b. Rail Maintenance Facilities: construction and/or replacement of rail maintenance facilities.

<b>TIP ID: 5867 Agency ID: Title: Facilities Maintenance Support – Systemwide Support Equipment, Environmental Compl Projects and Adm Support</b>									
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Facility:	Local	0/0/100	17,309 e	39,977 e	121,550 e	167,746 e	71,595 e	80,546 e	498,723	
From:	_____									
To:	Sect. 5307	80/0/20	_____				20,300 e	_____		20,300
	Sect. 5337-SGR	80/0/20	_____				35,453 e	51,953 e	87,406	
	Sect. 5339(b)	80/0/20	4,500 e	_____						4,500

\_\_\_\_\_ **Total Funds: 610,929**

Description: Provides funds for:  
a. Environmental Compliance Projects: facility or equipment upgrades and/or replacements required to comply with environmental regulatory requirements or directives.  
b. Maintenance Bus & Rail Facilities: upgrades, rehabilitation, and/or replacements of systemwide support equipment, financial planning and project administration, to include a new test track, railcar commissioning facility and New Carrollton Yard capacity improvements.

**Table 4A**  
**Washington Metropolitan Area Transit Authority**  
**FY 2019-2024 TRANSPORTATION IMPROVEMENT PROGRAM**  
**Financial Summary (in \$ Millions)**

Source	2019		2020		2021-2022		2023-2024		2019-2024	
	Federal	Total	Federal	Total	Federal	Total	Federal	Total	Federal	Total
<b>Title I - FHWA</b>										
CMAQ	5.92	7.40	3.60	4.50	8.56	10.70	5.76	7.20	23.84	29.80
<b>Title I - FHWA Total:</b>	<b>5.92</b>	<b>7.40</b>	<b>3.60</b>	<b>4.50</b>	<b>8.56</b>	<b>10.70</b>	<b>5.76</b>	<b>7.20</b>	<b>23.84</b>	<b>29.80</b>
<b>Title III - FTA</b>										
Section 5307	151.00	188.75	173.20	216.49	314.70	393.38	314.70	393.38	953.61	1,192.01
Section 5337	145.51	181.89	163.96	204.95	327.92	409.91	327.92	409.91	965.32	1,206.65
Section 5339(a)	8.42	10.53	11.32	14.16		14.16			19.75	38.84
Section 5339(b)	3.60	4.50	4.25	5.31		14.16	22.65	28.31	30.50	52.28
BUILD	20.00	20.00								
PRIIA	148.50	297.00	148.50	297.00	297.00	594.00	297.00	594.00	891.00	1,782.00
<b>Title III - FTA Total:</b>	<b>477.04</b>	<b>702.67</b>	<b>501.23</b>	<b>737.92</b>	<b>939.63</b>	<b>1,425.60</b>	<b>962.28</b>	<b>1,425.60</b>	<b>2,880.18</b>	<b>4,291.78</b>
<b>State/Local</b>										
State	0.00	511.25	0.00	721.13	0.00	1,728.58	0.00	1,404.16		4,365.12
<b>State/Local Total:</b>		<b>511.25</b>		<b>721.13</b>		<b>1,728.58</b>		<b>1,404.16</b>		<b>4,365.12</b>
<b>Other Funds</b>										
Insurance Proceeds	0.00	30.49	0.00	75.63	0.00	186.09	0.00	148.60		440.81
<b>Other Funds Total:</b>		<b>30.49</b>		<b>75.63</b>		<b>186.09</b>		<b>148.60</b>		<b>440.81</b>
<b>Grand Total:</b>	<b>482.96</b>	<b>1,251.80</b>	<b>504.83</b>	<b>1,539.18</b>	<b>948.19</b>	<b>3,350.97</b>	<b>968.04</b>	<b>2,985.56</b>	<b>2,904.02</b>	<b>9,127.51</b>