

### Urban Transit Systems - Capital Assistance

<b>TIP ID</b>	40-1602-05	<b>Year of Operation</b>	Ongoing
<b>Agency</b>	MTA - Transit	<b>Project Type</b>	Fleet improvement
<b>Project Category</b>	Emission Reduction Strategy	<b>Functional Class</b>	NA
<b>Conformity Status</b>	Exempt	<b>Physical Data</b>	NA
<b>CIP or CTP ID(s)</b>	N/A	<b>Est. Total Cost</b>	\$3,328,000

**Description:**

Capital assistance for the purchase of vehicles, equipment, and facilities for Harford County (Harford County Transportation Services).

**Justification:**

Urban transit capital assistance will enable Harford County locally operated transportation systems to operate such that local needs for service can be met.

**Connection to Long-Range Transportation Planning Goals:**

- 2.C Improve and Maintain the Existing Infrastructure -- Maintain/replace transit vehicles.
- 3.A Improve Accessibility -- Increase transportation alternatives for all segments of the population.
- 5.A Conserve and Enhance the Environment -- Provide alternatives to single-occupant passenger vehicles / apply emission reduction technologies.





**Urban Transit Systems - Capital Assistance**

(Funding in Thousands)

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

Phase	FY 2020 Federal Funds	FY 2020 Matching Funds	FY 2021 Federal Funds	FY 2021 Matching Funds	FY 2022 Federal Funds	FY 2022 Matching Funds	FY 2023 Federal Funds	FY 2023 Matching Funds	Total Four-Year Funding Request
CON	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
OTH	\$533	\$133	\$533	\$133	\$533	\$133	\$533	\$133	\$2,664
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
<b>Subtotal</b>	<b>\$533</b>	<b>\$133</b>	<b>\$533</b>	<b>\$133</b>	<b>\$533</b>	<b>\$133</b>	<b>\$533</b>	<b>\$133</b>	<b>\$2,664</b>

**Section 5339 (Bus and Bus Facilities Formula Program)**

Phase	FY 2020 Federal Funds	FY 2020 Matching Funds	FY 2021 Federal Funds	FY 2021 Matching Funds	FY 2022 Federal Funds	FY 2022 Matching Funds	FY 2023 Federal Funds	FY 2023 Matching Funds	Total Four-Year Funding Request
CON	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
OTH	\$133	\$33	\$133	\$33	\$133	\$33	\$133	\$33	\$664
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
<b>Subtotal</b>	<b>\$133</b>	<b>\$33</b>	<b>\$133</b>	<b>\$33</b>	<b>\$133</b>	<b>\$33</b>	<b>\$133</b>	<b>\$33</b>	<b>\$664</b>
<b>Total</b>	<b>\$666</b>	<b>\$166</b>	<b>\$666</b>	<b>\$166</b>	<b>\$666</b>	<b>\$166</b>	<b>\$666</b>	<b>\$166</b>	<b>\$3,328</b>

## Bus and Paratransit Vehicle Overhaul and Replacement

<b>TIP ID</b>	40-1802-05	<b>Year of Operation</b>	Ongoing
<b>Agency</b>	MTA - Transit	<b>Project Type</b>	Fleet improvement
<b>Project Category</b>	Emission Reduction Strategy	<b>Functional Class</b>	NA
<b>Conformity Status</b>	Exempt	<b>Physical Data</b>	NA
<b>CIP or CTP ID(s)</b>	Multiple	<b>Est. Total Cost</b>	\$217,678,000

**Description:**

This project provides for the routine replacement of buses past their useful service life. Planned purchases include 278 forty-foot clean diesel buses. MDOT MTA will also proactively repair and replace bus components at key points in the vehicle’s life, including the vehicle engine, battery, brakes, suspension, body, paint, and wheelchair/ADA, electrical, and pneumatic systems. Batteries in hybrid electric buses near the end of their useful life will be replaced. This project also covers the purchase of paratransit vehicles under MTA’s Mobility program. Mobility is a specialized door-to-door service for people with disabilities who are not able to ride fixed route public transportation, including lift equipped buses. Planned purchases include 25 small cutaway and 75 large cutaway vehicles purchased annually from FY20 through FY23. In addition to the matching funds listed, MTA has committed \$51.5 million in state dollars.

**Justification:**

In order to reduce operating and maintenance costs, the MTA is committed to procuring new buses to support fleet capacity requirements and to replace aging equipment. This systematic replacement reduces high out of commission rates and the excessive major repair problems that arise from retaining buses beyond their economic life. Replacement with clean diesel buses helps meet higher federal emissions standards. To improve bus reliability, the mini overhaul program for bus vehicles will simultaneously increase vehicle lifespan, improve maintenance efficiency, reduce mechanical breakdowns, mitigate safety risks, develop the workforce through training, and create cost savings. Funds are also needed to provide paratransit vehicles within the Baltimore region. MTA’s Mobility program satisfies the American with Disabilities Act (ADA) provisions adopted by the Federal Transit Administration.

**Connection to Long-Range Transportation Planning Goals:**

- 2.C Improve and Maintain the Existing Infrastructure -- Maintain/replace transit vehicles.
- 3.A Improve Accessibility -- Increase transportation alternatives for all segments of the population.
- 3.B Improve Accessibility -- Improve ADA-related conditions for pedestrians / transit riders.
- 5.A Conserve and Enhance the Environment -- Provide alternatives to single-occupant passenger vehicles / apply emission reduction technologies.





### Bus and Paratransit Vehicle Overhaul and Replacement

(Funding in Thousands)

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

Phase	FY 2020 Federal Funds	FY 2020 Matching Funds	FY 2021 Federal Funds	FY 2021 Matching Funds	FY 2022 Federal Funds	FY 2022 Matching Funds	FY 2023 Federal Funds	FY 2023 Matching Funds	Total Four-Year Funding Request
CON	\$2,400	\$600	\$4,409	\$1,102	\$3,388	\$847	\$0	\$0	\$12,746
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
<b>Subtotal</b>	<b>\$2,400</b>	<b>\$600</b>	<b>\$4,409</b>	<b>\$1,102</b>	<b>\$3,388</b>	<b>\$847</b>	<b>\$0</b>	<b>\$0</b>	<b>\$12,746</b>

#### Section 5339 (Bus and Bus Facilities Formula Program)

Phase	FY 2020 Federal Funds	FY 2020 Matching Funds	FY 2021 Federal Funds	FY 2021 Matching Funds	FY 2022 Federal Funds	FY 2022 Matching Funds	FY 2023 Federal Funds	FY 2023 Matching Funds	Total Four-Year Funding Request
CON	\$0	\$0	\$0	\$0	\$0	\$0	\$5,790	\$1,448	\$7,238
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
<b>Subtotal</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$5,790</b>	<b>\$1,448</b>	<b>\$7,238</b>



### Bus and Paratransit Vehicle Overhaul and Replacement

(Funding in Thousands)

#### Congestion Mitigation and Air Quality

Phase	FY 2020 Federal Funds	FY 2020 Matching Funds	FY 2021 Federal Funds	FY 2021 Matching Funds	FY 2022 Federal Funds	FY 2022 Matching Funds	FY 2023 Federal Funds	FY 2023 Matching Funds	Total Four-Year Funding Request
CON	\$43,250	\$10,813	\$43,250	\$10,813	\$40,196	\$10,049	\$31,458	\$7,865	\$197,694
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
<b>Subtotal</b>	<b>\$43,250</b>	<b>\$10,813</b>	<b>\$43,250</b>	<b>\$10,813</b>	<b>\$40,196</b>	<b>\$10,049</b>	<b>\$31,458</b>	<b>\$7,865</b>	<b>\$197,694</b>
<b>Total</b>	<b>\$45,650</b>	<b>\$11,413</b>	<b>\$47,659</b>	<b>\$11,915</b>	<b>\$43,584</b>	<b>\$10,896</b>	<b>\$37,248</b>	<b>\$9,313</b>	<b>\$217,678</b>

### Small Urban Transit Systems - Capital Assistance

<b>TIP ID</b>	40-9502-05	<b>Year of Operation</b>	Ongoing
<b>Agency</b>	MTA - Transit	<b>Project Type</b>	Fleet improvement
<b>Project Category</b>	Emission Reduction Strategy	<b>Functional Class</b>	NA
<b>Conformity Status</b>	Exempt	<b>Physical Data</b>	NA
<b>CIP or CTP ID(s)</b>	NA	<b>Est. Total Cost</b>	\$1,600,000

**Description:**

Capital assistance to small urban transit systems throughout the region to purchase vehicles, equipment, and facilities. The Baltimore region's small urban transit systems include Carroll Transit System, Anne Arundel County and Howard County.

**Justification:**

Small urban transit capital assistance will enable locally operated transportation systems to operate such that local needs for services can be met. The small urban systems are important components of the regional transportation network.

**Connection to Long-Range Transportation Planning Goals:**

- 2.C Improve and Maintain the Existing Infrastructure -- Maintain/replace transit vehicles.
- 3.A Improve Accessibility -- Increase transportation alternatives for all segments of the population.
- 5.A Conserve and Enhance the Environment -- Provide alternatives to single-occupant passenger vehicles / apply emission reduction technologies.





### Small Urban Transit Systems - Capital Assistance

(Funding in Thousands)

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

Phase	FY 2020 Federal Funds	FY 2020 Matching Funds	FY 2021 Federal Funds	FY 2021 Matching Funds	FY 2022 Federal Funds	FY 2022 Matching Funds	FY 2023 Federal Funds	FY 2023 Matching Funds	Total Four-Year Funding Request
CON	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
OTH	\$160	\$40	\$160	\$40	\$160	\$40	\$160	\$40	\$800
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
<b>Subtotal</b>	<b>\$160</b>	<b>\$40</b>	<b>\$160</b>	<b>\$40</b>	<b>\$160</b>	<b>\$40</b>	<b>\$160</b>	<b>\$40</b>	<b>\$800</b>



**Small Urban Transit Systems - Capital Assistance**

(Funding in Thousands)

**Section 5339 (Bus and Bus Facilities Formula Program)**

Phase	FY 2020 Federal Funds	FY 2020 Matching Funds	FY 2021 Federal Funds	FY 2021 Matching Funds	FY 2022 Federal Funds	FY 2022 Matching Funds	FY 2023 Federal Funds	FY 2023 Matching Funds	Total Four-Year Funding Request
CON	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
OTH	\$160	\$40	\$160	\$40	\$160	\$40	\$160	\$40	\$800
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
<b>Subtotal</b>	<b>\$160</b>	<b>\$40</b>	<b>\$160</b>	<b>\$40</b>	<b>\$160</b>	<b>\$40</b>	<b>\$160</b>	<b>\$40</b>	<b>\$800</b>
<b>Total</b>	<b>\$320</b>	<b>\$80</b>	<b>\$320</b>	<b>\$80</b>	<b>\$320</b>	<b>\$80</b>	<b>\$320</b>	<b>\$80</b>	<b>\$1,600</b>

### Ridesharing - Baltimore Region

<b>TIP ID</b>	40-9901-01	<b>Year of Operation</b>	Ongoing
<b>Agency</b>	MTA - Transit	<b>Project Type</b>	Ridesharing
<b>Project Category</b>	Emission Reduction Strategy	<b>Functional Class</b>	NA
<b>Conformity Status</b>	Exempt	<b>Physical Data</b>	NA
<b>CIP or CTP ID(s)</b>	Multiple	<b>Est. Total Cost</b>	\$5,972,000

**Description:**

The ridesharing project covers the activities of the ridesharing program in all jurisdictions in the Baltimore region, including the Guaranteed Ride Home (GRH) Program. Entities eligible to receive funding include Baltimore City, the Baltimore Metropolitan Council, and Anne Arundel, Howard, and Harford counties.

**Justification:**

The Maryland Ridesharing Program promotes the use of alternatives to the single occupant vehicle through mass transit, carpools, and vanpools with financial assistance under the Rideshare/Commuter Assistance Program. Funding is provided to eligible entities to assist with the promotion and management of their Rideshare Program.

**Connection to Long-Range Transportation Planning Goals:**

- 3.A Improve Accessibility -- Increase transportation alternatives for all segments of the population.
- 5.A Conserve and Enhance the Environment -- Provide alternatives to single-occupant passenger vehicles / apply emission reduction technologies.
- 5.D Conserve and Enhance the Environment -- Reduce greenhouse gas emissions in accordance with state and local sustainability and climate change plans.





**Ridesharing - Baltimore Region**

(Funding in Thousands)

**Congestion Mitigation and Air Quality**

Phase	FY 2020 Federal Funds	FY 2020 Matching Funds	FY 2021 Federal Funds	FY 2021 Matching Funds	FY 2022 Federal Funds	FY 2022 Matching Funds	FY 2023 Federal Funds	FY 2023 Matching Funds	Total Four-Year Funding Request
CON	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
OTH	\$1,550	\$0	\$1,658	\$0	\$1,214	\$0	\$1,550	\$0	\$5,972
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
<b>Subtotal</b>	<b>\$1,550</b>	<b>\$0</b>	<b>\$1,658</b>	<b>\$0</b>	<b>\$1,214</b>	<b>\$0</b>	<b>\$1,550</b>	<b>\$0</b>	<b>\$5,972</b>
<b>Total</b>	<b>\$1,550</b>	<b>\$0</b>	<b>\$1,658</b>	<b>\$0</b>	<b>\$1,214</b>	<b>\$0</b>	<b>\$1,550</b>	<b>\$0</b>	<b>\$5,972</b>

### Small Urban Transit Systems - Operating Assistance

<b>TIP ID</b>	40-0104-61	<b>Year of Operation</b>	Ongoing
<b>Agency</b>	MTA - Transit	<b>Project Type</b>	Operating assistance
<b>Project Category</b>	Transit Preservation	<b>Functional Class</b>	NA
<b>Conformity Status</b>	Exempt	<b>Physical Data</b>	NA
<b>CIP or CTP ID(s)</b>	NA	<b>Est. Total Cost</b>	\$2,608,000

**Description:**

Operating assistance to small urban transit systems throughout the Baltimore region. Transit agencies eligible for funding include Carroll Transit System.

Costs generally associated with operating assistance can include utilities, miscellaneous equipment, fuel/oil, and driver, maintenance staff, and administrative salaries.

**Justification:**

Small urban transit operating assistance will enable transportation systems to finance the operation of their services.

**Connection to Long-Range Transportation Planning Goals:**

3.A Improve Accessibility -- Increase transportation alternatives for all segments of the population.  
 5.A Conserve and Enhance the Environment -- Provide alternatives to single-occupant passenger vehicles / apply emission reduction technologies.





Small Urban Transit Systems - Operating Assistance

(Funding in Thousands)

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

Phase	FY 2020 Federal Funds	FY 2020 Matching Funds	FY 2021 Federal Funds	FY 2021 Matching Funds	FY 2022 Federal Funds	FY 2022 Matching Funds	FY 2023 Federal Funds	FY 2023 Matching Funds	Total Four-Year Funding Request
CON	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
OTH	\$326	\$326	\$326	\$326	\$326	\$326	\$326	\$326	\$2,608
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
<b>Subtotal</b>	<b>\$326</b>	<b>\$326</b>	<b>\$326</b>	<b>\$326</b>	<b>\$326</b>	<b>\$326</b>	<b>\$326</b>	<b>\$326</b>	<b>\$2,608</b>
<b>Total</b>	<b>\$326</b>	<b>\$326</b>	<b>\$326</b>	<b>\$326</b>	<b>\$326</b>	<b>\$326</b>	<b>\$326</b>	<b>\$326</b>	<b>\$2,608</b>

### Kirk Bus Facility Replacement - Phase 1 & 2

<b>TIP ID</b>	40-1203-65	<b>Year of Operation</b>	2021
<b>Agency</b>	MTA - Transit	<b>Project Type</b>	Rehabilitation of facilities
<b>Project Category</b>	Transit Preservation	<b>Functional Class</b>	NA
<b>Conformity Status</b>	Exempt	<b>Physical Data</b>	NA
<b>CIP or CTP ID(s)</b>	0705	<b>Est. Total Cost</b>	\$153,000,000

**Description:**

Approximately 163 buses are stored, operated and maintained at the Kirk Division Bus Facility. Operations include preventive bus maintenance, inspections, heavy repairs, fueling, washing, administration, operator support facilities and dispatching. Phase I is the construction of a 100,000 square foot state-of-the-art, sustainable design, energy-efficient/green technology building that will house maintenance work to be performed in an enclosed environment, thereby enabling MTA to better control noise, exhaust fumes and visibility of the buses to the surrounding community. Phase II is the construction of a similar building to store buses overnight.

Note: In addition to the matching funds listed, MTA has committed \$41.2 million in state dollars.

**Justification:**

The current facility supports 14 bus routes operating in Baltimore City and Baltimore County and was built over 65 years ago and cannot accommodate MTA's modern fleet or hybrid and articulated buses. A new facility is required to ensure efficient transit traffic and parking. MTA has worked with the community for many years to develop a plan to modernize the Kirk Bus Facility. Phase 1 completed; Phase 2 year of completion - 2021.



**Connection to Long-Range Transportation Planning Goals:**

- 2.E Improve and Maintain the Existing Infrastructure -- Improve the condition of transit infrastructure and stations/stops.
- 5.D Conserve and Enhance the Environment -- Reduce greenhouse gas emissions in accordance with state and local sustainability and climate change plans.



**Kirk Bus Facility Replacement - Phase 1 & 2**

(Funding in Thousands)

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

Phase	FY 2020 Federal Funds	FY 2020 Matching Funds	FY 2021 Federal Funds	FY 2021 Matching Funds	FY 2022 Federal Funds	FY 2022 Matching Funds	FY 2023 Federal Funds	FY 2023 Matching Funds	Total Four-Year Funding Request
CON	\$4,069	\$1,017	\$7,947	\$1,987	\$0	\$0	\$0	\$0	\$15,020
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
<b>Subtotal</b>	<b>\$4,069</b>	<b>\$1,017</b>	<b>\$7,947</b>	<b>\$1,987</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$15,020</b>

**Section 5339 (Bus and Bus Facilities Formula Program)**

Phase	FY 2020 Federal Funds	FY 2020 Matching Funds	FY 2021 Federal Funds	FY 2021 Matching Funds	FY 2022 Federal Funds	FY 2022 Matching Funds	FY 2023 Federal Funds	FY 2023 Matching Funds	Total Four-Year Funding Request
CON	\$5,456	\$1,364	\$3,165	\$791	\$5,676	\$1,419	\$0	\$0	\$17,871
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
<b>Subtotal</b>	<b>\$5,456</b>	<b>\$1,364</b>	<b>\$3,165</b>	<b>\$791</b>	<b>\$5,676</b>	<b>\$1,419</b>	<b>\$0</b>	<b>\$0</b>	<b>\$17,871</b>
<b>Total</b>	<b>\$9,525</b>	<b>\$2,381</b>	<b>\$11,112</b>	<b>\$2,778</b>	<b>\$5,676</b>	<b>\$1,419</b>	<b>\$0</b>	<b>\$0</b>	<b>\$32,891</b>

## Bus and Rail Preventive Maintenance

<b>TIP ID</b>	40-1204-64	<b>Year of Operation</b>	Ongoing
<b>Agency</b>	MTA - Transit	<b>Project Type</b>	Preservation and improvements
<b>Project Category</b>	Transit Preservation	<b>Functional Class</b>	NA
<b>Conformity Status</b>	Exempt	<b>Physical Data</b>	NA
<b>CIP or CTP ID(s)</b>	NA	<b>Est. Total Cost</b>	\$195,520,000

**Description:**

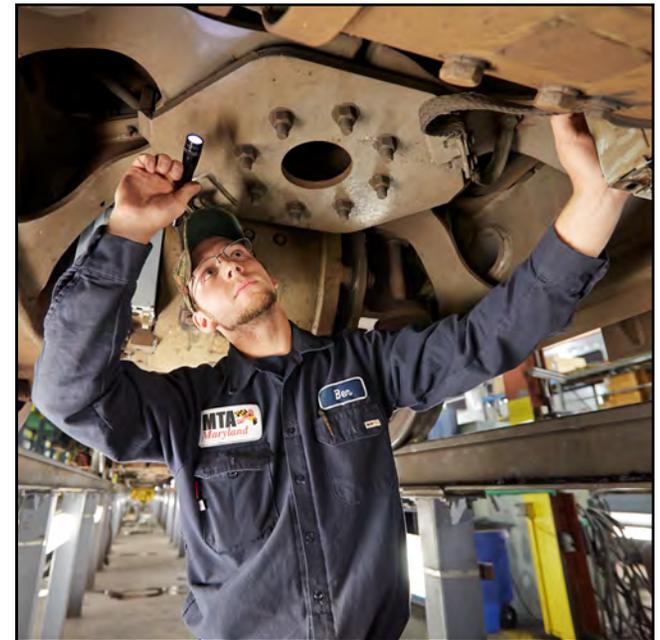
Provides preventative maintenance on the Bus, Light Rail and Metro systems to improve safety, reliability and passenger comfort.

**Justification:**

Regular preventive maintenance on the transit system will allow MTA to provide safe and reliable service. Proper maintenance extends the useful life of transit vehicles.

**Connection to Long-Range Transportation Planning Goals:**

- 1.C Improve System Safety -- Eliminate hazardous or substandard conditions.
- 2.C Improve and Maintain the Existing Infrastructure -- Maintain/replace transit vehicles.
- 6.A Improve System Security -- Provide security-related features at transit facilities or on transit vehicles.





**Bus and Rail Preventive Maintenance**

(Funding in Thousands)

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

Phase	FY 2020 Federal Funds	FY 2020 Matching Funds	FY 2021 Federal Funds	FY 2021 Matching Funds	FY 2022 Federal Funds	FY 2022 Matching Funds	FY 2023 Federal Funds	FY 2023 Matching Funds	Total Four-Year Funding Request
CON	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
OTH	\$12,790	\$3,198	\$12,264	\$3,066	\$11,727	\$2,932	\$11,180	\$2,795	\$59,952
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
<b>Subtotal</b>	<b>\$12,790</b>	<b>\$3,198</b>	<b>\$12,264</b>	<b>\$3,066</b>	<b>\$11,727</b>	<b>\$2,932</b>	<b>\$11,180</b>	<b>\$2,795</b>	<b>\$59,952</b>

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

Phase	FY 2020 Federal Funds	FY 2020 Matching Funds	FY 2021 Federal Funds	FY 2021 Matching Funds	FY 2022 Federal Funds	FY 2022 Matching Funds	FY 2023 Federal Funds	FY 2023 Matching Funds	Total Four-Year Funding Request
CON	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
OTH	\$26,314	\$6,578	\$26,840	\$6,710	\$27,377	\$6,844	\$27,924	\$6,981	\$135,568
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
<b>Subtotal</b>	<b>\$26,314</b>	<b>\$6,578</b>	<b>\$26,840</b>	<b>\$6,710</b>	<b>\$27,377</b>	<b>\$6,844</b>	<b>\$27,924</b>	<b>\$6,981</b>	<b>\$135,568</b>
<b>Total</b>	<b>\$39,104</b>	<b>\$9,776</b>	<b>\$39,104</b>	<b>\$9,776</b>	<b>\$39,104</b>	<b>\$9,776</b>	<b>\$39,104</b>	<b>\$9,776</b>	<b>\$195,520</b>

**Seniors and Individuals with Disabilities**

<b>TIP ID</b>	40-1502-69	<b>Year of Operation</b>	Ongoing
<b>Agency</b>	MTA - Transit	<b>Project Type</b>	Other
<b>Project Category</b>	Transit Preservation	<b>Functional Class</b>	NA
<b>Conformity Status</b>	Exempt	<b>Physical Data</b>	NA
<b>CIP or CTP ID(s)</b>	N/A	<b>Est. Total Cost</b>	\$9,360,000

**Description:**

Capital and operating assistance to non-profit agencies who provide transportation services for the elderly and individuals with disabilities. Non-profit recipients are determined through a competitive selection process and based upon the Baltimore Area Coordinated Public Transit - Human Services Transportation Plan.

**Justification:**

This program is intended to enhance mobility for seniors and individuals with disabilities by providing capital and operating funds for programs to serve the special needs of transit-dependent populations beyond traditional public transportation services and ADA complementary paratransit services.

**Connection to Long-Range Transportation Planning Goals:**

3.B Improve Accessibility -- Improve ADA-related conditions for pedestrians / transit riders.





**Seniors and Individuals with Disabilities**

(Funding in Thousands)

**Section 5310 Enhanced Mobility of Seniors and Individuals with Disabilities Program**

Phase	FY 2020 Federal Funds	FY 2020 Matching Funds	FY 2021 Federal Funds	FY 2021 Matching Funds	FY 2022 Federal Funds	FY 2022 Matching Funds	FY 2023 Federal Funds	FY 2023 Matching Funds	Total Four-Year Funding Request
CON	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
OTH	\$0	\$0	\$3,370	\$1,310	\$0	\$0	\$3,370	\$1,310	\$9,360
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
<b>Subtotal</b>	<b>\$0</b>	<b>\$0</b>	<b>\$3,370</b>	<b>\$1,310</b>	<b>\$0</b>	<b>\$0</b>	<b>\$3,370</b>	<b>\$1,310</b>	<b>\$9,360</b>
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$3,370</b>	<b>\$1,310</b>	<b>\$0</b>	<b>\$0</b>	<b>\$3,370</b>	<b>\$1,310</b>	<b>\$9,360</b>

### Urban Transit Systems - Operating Assistance

<b>TIP ID</b>	40-1603-61	<b>Year of Operation</b>	Ongoing
<b>Agency</b>	MTA - Transit	<b>Project Type</b>	Operating assistance
<b>Project Category</b>	Transit Preservation	<b>Functional Class</b>	NA
<b>Conformity Status</b>	Exempt	<b>Physical Data</b>	NA
<b>CIP or CTP ID(s)</b>	N/A	<b>Est. Total Cost</b>	\$13,008,000

**Description:**

Operating assistance to urban transit systems throughout the Aberdeen/Bel Air North/Bel Air South urbanized area. Transit agencies eligible for funding include Harford County.

Costs generally associated with operating assistance can include utilities, miscellaneous equipment, fuel/oil, and driver, maintenance staff, and administrative salaries.

**Justification:**

Urban transit operating assistance will enable transportation systems to finance the operation of their services.

**Connection to Long-Range Transportation Planning Goals:**

3.A Improve Accessibility -- Increase transportation alternatives for all segments of the population.  
 5.A Conserve and Enhance the Environment -- Provide alternatives to single-occupant passenger vehicles / apply emission reduction technologies.





**Urban Transit Systems - Operating Assistance**

(Funding in Thousands)

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

Phase	FY 2020 Federal Funds	FY 2020 Matching Funds	FY 2021 Federal Funds	FY 2021 Matching Funds	FY 2022 Federal Funds	FY 2022 Matching Funds	FY 2023 Federal Funds	FY 2023 Matching Funds	Total Four-Year Funding Request
CON	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
OTH	\$1,626	\$1,626	\$1,626	\$1,626	\$1,626	\$1,626	\$1,626	\$1,626	\$13,008
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
<b>Subtotal</b>	<b>\$1,626</b>	<b>\$1,626</b>	<b>\$1,626</b>	<b>\$1,626</b>	<b>\$1,626</b>	<b>\$1,626</b>	<b>\$1,626</b>	<b>\$1,626</b>	<b>\$13,008</b>
<b>Total</b>	<b>\$1,626</b>	<b>\$1,626</b>	<b>\$1,626</b>	<b>\$1,626</b>	<b>\$1,626</b>	<b>\$1,626</b>	<b>\$1,626</b>	<b>\$1,626</b>	<b>\$13,008</b>

### Agencywide System Preservation and Improvement

<b>TIP ID</b>	40-1801-64	<b>Year of Operation</b>	Ongoing
<b>Agency</b>	MTA - Transit	<b>Project Type</b>	Preservation and improvements
<b>Project Category</b>	Transit Preservation	<b>Functional Class</b>	NA
<b>Conformity Status</b>	Exempt	<b>Physical Data</b>	NA
<b>CIP or CTP ID(s)</b>	Multiple	<b>Est. Total Cost</b>	\$35,284,000

**Description:**

This is an ongoing project to rehabilitate agency-wide facilities, systems, and infrastructure, including park-and-ride lots, roofing, bridge and subway inspection, a transit asset management system, a system network migration and upgrade, system-wide elevators and escalators, and a mobility CAD/AVL system replacement.

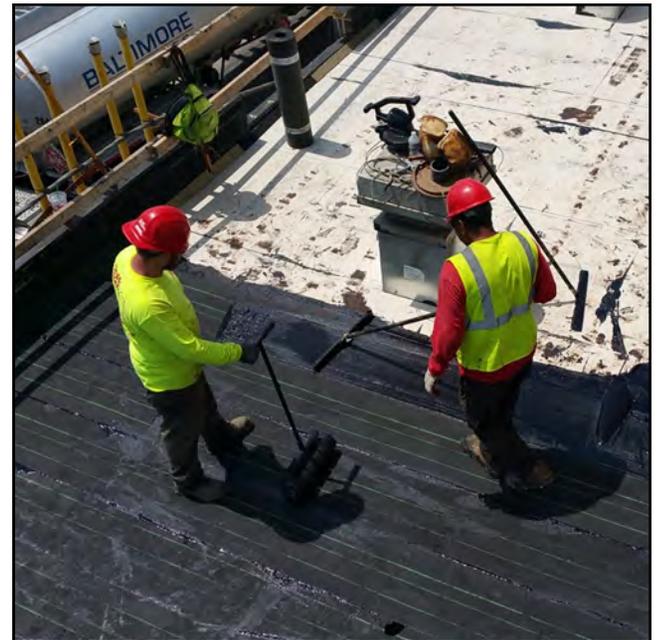
In addition to the matching funds listed, MTA has committed \$98.9 million in state dollars.

**Justification:**

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

**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)**

Phase	FY 2020 Federal Funds	FY 2020 Matching Funds	FY 2021 Federal Funds	FY 2021 Matching Funds	FY 2022 Federal Funds	FY 2022 Matching Funds	FY 2023 Federal Funds	FY 2023 Matching Funds	Total Four-Year Funding Request
CON	\$1,571	\$393	\$10,973	\$2,743	\$3,759	\$940	\$11,924	\$2,981	\$35,284
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
<b>Subtotal</b>	<b>\$1,571</b>	<b>\$393</b>	<b>\$10,973</b>	<b>\$2,743</b>	<b>\$3,759</b>	<b>\$940</b>	<b>\$11,924</b>	<b>\$2,981</b>	<b>\$35,284</b>
<b>Total</b>	<b>\$1,571</b>	<b>\$393</b>	<b>\$10,973</b>	<b>\$2,743</b>	<b>\$3,759</b>	<b>\$940</b>	<b>\$11,924</b>	<b>\$2,981</b>	<b>\$35,284</b>

### Bus System Preservation and Improvement

<b>TIP ID</b>	40-1803-64	<b>Year of Operation</b>	Ongoing
<b>Agency</b>	MTA - Transit	<b>Project Type</b>	Preservation and improvements
<b>Project Category</b>	Transit Preservation	<b>Functional Class</b>	NA
<b>Conformity Status</b>	Exempt	<b>Physical Data</b>	NA
<b>CIP or CTP ID(s)</b>	Multiple	<b>Est. Total Cost</b>	\$3,000,000

**Description:**

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.

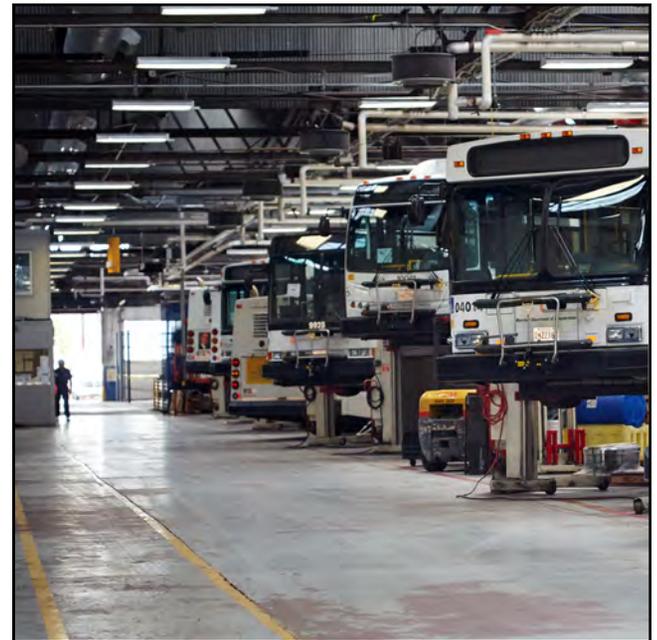
In addition to the matching funds listed, MTA has committed \$187,000 in state dollars.

**Justification:**

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

**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 5339 (Bus and Bus Facilities Formula Program)**

Phase	FY 2020 Federal Funds	FY 2020 Matching Funds	FY 2021 Federal Funds	FY 2021 Matching Funds	FY 2022 Federal Funds	FY 2022 Matching Funds	FY 2023 Federal Funds	FY 2023 Matching Funds	Total Four-Year Funding Request
CON	\$0	\$0	\$2,400	\$600	\$0	\$0	\$0	\$0	\$3,000
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
<b>Subtotal</b>	<b>\$0</b>	<b>\$0</b>	<b>\$2,400</b>	<b>\$600</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$3,000</b>
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$2,400</b>	<b>\$600</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$3,000</b>

### Metro and Light Rail Rolling Stock Overhauls and Replacement

<b>TIP ID</b>	40-1804-63	<b>Year of Operation</b>	Ongoing
<b>Agency</b>	MTA - Transit	<b>Project Type</b>	Fleet improvement
<b>Project Category</b>	Transit Preservation	<b>Functional Class</b>	NA
<b>Conformity Status</b>	Exempt	<b>Physical Data</b>	NA
<b>CIP or CTP ID(s)</b>	Multiple	<b>Est. Total Cost</b>	\$245,667,000

**Description:**

The Metro Railcar fleet consists of 90 cars that have surpassed the 30-year design life. Replacement of the railcar fleet will provide passengers with enhanced comfort, conveniences, and ensure improved reliability. The Light Rail vehicle fleet will require the plan and design of maintenance objectives to perform a 15-year inspection of the major and sub-assemblies of the original 35-vehicle fleet. The inspections will identify and remedy all obsolete parts issues in order to overhaul the major and sub-assemblies according to manufacturer recommendations and facilitate any modifications deemed necessary by engineering or OEM for 15-year maintenance. The first vehicles were placed back in service in 2015, and the last vehicle will be placed back in service in 2022. In addition to the matching funds listed, MTA has committed \$82.3 million in state dollars.

**Justification:**

The replacement of Metro vehicles and the Signaling System with modern and reliable equipment will enhance passenger comfort, ensure better reliability and offer improved safety. The MTA's Metro Signaling System consists of a double tracked train controlled signaling system that is 15 miles long. The Metro train control system was installed in three phases and the oldest section is currently 30 yrs old. The Automatic Train Protection system is currently experiencing reliability issues due to its age and parts obsolescence thus increasing maintainability issues across its various systems and sub-systems. The replacement of the Signaling System with modern, reliable equipment will enhance passenger comfort, ensure better reliability and offer improved safety. Light rail fleet overhaul is designed to reduce system failures and improve reliability and service.

**Connection to Long-Range Transportation Planning Goals:**

- 1.C Improve System Safety -- Eliminate hazardous or substandard conditions.
- 2.C Improve and Maintain the Existing Infrastructure -- Maintain/replace transit vehicles.
- 6.A Improve System Security -- Provide security-related features at transit facilities or on transit vehicles.





**Metro and Light Rail Rolling Stock Overhauls and Replacement**

(Funding in Thousands)

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

Phase	FY 2020 Federal Funds	FY 2020 Matching Funds	FY 2021 Federal Funds	FY 2021 Matching Funds	FY 2022 Federal Funds	FY 2022 Matching Funds	FY 2023 Federal Funds	FY 2023 Matching Funds	Total Four-Year Funding Request
CON	\$37,530	\$9,383	\$15,415	\$3,854	\$47,491	\$11,873	\$50,337	\$12,584	\$188,467
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
<b>Subtotal</b>	<b>\$37,530</b>	<b>\$9,383</b>	<b>\$15,415</b>	<b>\$3,854</b>	<b>\$47,491</b>	<b>\$11,873</b>	<b>\$50,337</b>	<b>\$12,584</b>	<b>\$188,467</b>

**Section 5307 Flex (STBG funds flexed to Section 5307)**

Phase	FY 2020 Federal Funds	FY 2020 Matching Funds	FY 2021 Federal Funds	FY 2021 Matching Funds	FY 2022 Federal Funds	FY 2022 Matching Funds	FY 2023 Federal Funds	FY 2023 Matching Funds	Total Four-Year Funding Request
CON	\$16,847	\$4,212	\$13,730	\$3,433	\$0	\$0	\$0	\$0	\$38,222
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
<b>Subtotal</b>	<b>\$16,847</b>	<b>\$4,212</b>	<b>\$13,730</b>	<b>\$3,433</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$38,222</b>



### Metro and Light Rail Rolling Stock Overhauls and Replacement

(Funding in Thousands)

#### Congestion Mitigation and Air Quality

Phase	FY 2020 Federal Funds	FY 2020 Matching Funds	FY 2021 Federal Funds	FY 2021 Matching Funds	FY 2022 Federal Funds	FY 2022 Matching Funds	FY 2023 Federal Funds	FY 2023 Matching Funds	Total Four-Year Funding Request
CON	\$0	\$0	\$0	\$0	\$3,390	\$848	\$11,792	\$2,948	\$18,978
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
<b>Subtotal</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$3,390</b>	<b>\$848</b>	<b>\$11,792</b>	<b>\$2,948</b>	<b>\$18,978</b>
<b>Total</b>	<b>\$54,377</b>	<b>\$13,595</b>	<b>\$29,145</b>	<b>\$7,287</b>	<b>\$50,881</b>	<b>\$12,721</b>	<b>\$62,129</b>	<b>\$15,532</b>	<b>\$245,667</b>

### Metro and Light Rail System Preservation and Improvement

<b>TIP ID</b>	40-1805-64	<b>Year of Operation</b>	Ongoing
<b>Agency</b>	MTA - Transit	<b>Project Type</b>	Preservation and improvements
<b>Project Category</b>	Transit Preservation	<b>Functional Class</b>	NA
<b>Conformity Status</b>	Exempt	<b>Physical Data</b>	NA
<b>CIP or CTP ID(s)</b>	Multiple	<b>Est. Total Cost</b>	\$46,819,000

**Description:**

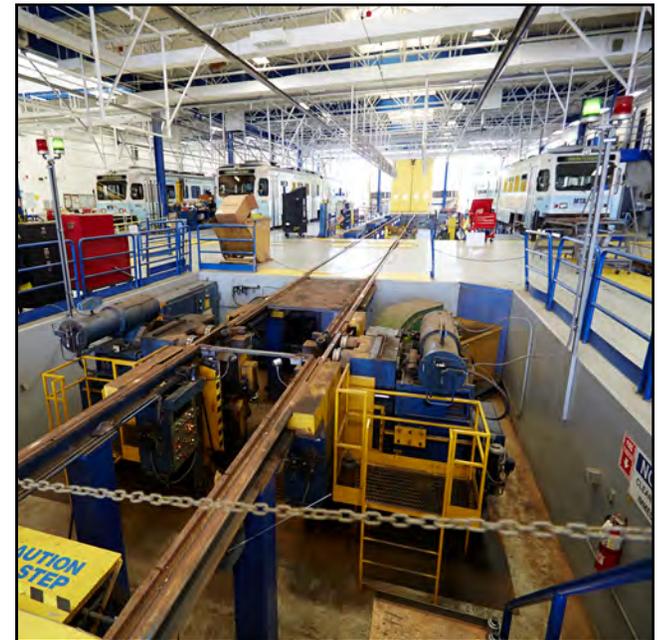
This is an ongoing project to rehabilitate Light Rail and Metro facilities, infrastructure, track, and equipment. In addition to the matching funds listed, MTA has committed \$211.5 million in state dollars.

**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.

**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)**

Phase	FY 2020 Federal Funds	FY 2020 Matching Funds	FY 2021 Federal Funds	FY 2021 Matching Funds	FY 2022 Federal Funds	FY 2022 Matching Funds	FY 2023 Federal Funds	FY 2023 Matching Funds	Total Four-Year Funding Request
CON	\$12,239	\$3,060	\$19,581	\$4,895	\$5,635	\$1,409	\$0	\$0	\$46,819
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
<b>Subtotal</b>	<b>\$12,239</b>	<b>\$3,060</b>	<b>\$19,581</b>	<b>\$4,895</b>	<b>\$5,635</b>	<b>\$1,409</b>	<b>\$0</b>	<b>\$0</b>	<b>\$46,819</b>
<b>Total</b>	<b>\$12,239</b>	<b>\$3,060</b>	<b>\$19,581</b>	<b>\$4,895</b>	<b>\$5,635</b>	<b>\$1,409</b>	<b>\$0</b>	<b>\$0</b>	<b>\$46,819</b>

### Rural Transit Systems - Operating Assistance

<b>TIP ID</b>	40-9204-61	<b>Year of Operation</b>	Ongoing
<b>Agency</b>	MTA - Transit	<b>Project Type</b>	Operating assistance
<b>Project Category</b>	Transit Preservation	<b>Functional Class</b>	NA
<b>Conformity Status</b>	Exempt	<b>Physical Data</b>	NA
<b>CIP or CTP ID(s)</b>	None	<b>Est. Total Cost</b>	\$1,904,000

**Description:**

Operating assistance to transit systems located in the Baltimore region. Transit agencies eligible for funding include Baltimore County (Baltimore County Office of Aging) and Carroll Transit System.

Costs generally associated with operating assistance can include utilities, miscellaneous equipment, fuel/oil, and driver, maintenance staff, and administrative salaries.

**Justification:**

Rural transit operating assistance will enable transportation systems to finance the operation of their services.

**Connection to Long-Range Transportation Planning Goals:**

3.A Improve Accessibility -- Increase transportation alternatives for all segments of the population.  
 5.A Conserve and Enhance the Environment -- Provide alternatives to single-occupant passenger vehicles / apply emission reduction technologies.





Rural Transit Systems - Operating Assistance

(Funding in Thousands)

Section 5311 Nonurbanized Area Formula Program (funding for operating assistance in non-urbanized areas)

Phase	FY 2020 Federal Funds	FY 2020 Matching Funds	FY 2021 Federal Funds	FY 2021 Matching Funds	FY 2022 Federal Funds	FY 2022 Matching Funds	FY 2023 Federal Funds	FY 2023 Matching Funds	Total Four-Year Funding Request
CON	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
OTH	\$238	\$238	\$238	\$238	\$238	\$238	\$238	\$238	\$1,904
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
<b>Subtotal</b>	<b>\$238</b>	<b>\$238</b>	<b>\$238</b>	<b>\$238</b>	<b>\$238</b>	<b>\$238</b>	<b>\$238</b>	<b>\$238</b>	<b>\$1,904</b>
<b>Total</b>	<b>\$238</b>	<b>\$238</b>	<b>\$238</b>	<b>\$238</b>	<b>\$238</b>	<b>\$238</b>	<b>\$238</b>	<b>\$238</b>	<b>\$1,904</b>

### MARC Rolling Stock Overhauls and Replacement

<b>TIP ID</b>	70-1501-53	<b>Year of Operation</b>	Ongoing
<b>Agency</b>	MTA - Commuter Rail	<b>Project Type</b>	Fleet improvement
<b>Project Category</b>	Commuter Rail Preservation	<b>Functional Class</b>	NA
<b>Conformity Status</b>	Exempt	<b>Physical Data</b>	NA
<b>CIP or CTP ID(s)</b>	Multiple	<b>Est. Total Cost</b>	\$23,595,000

**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 \$10.5 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.

**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)**

Phase	FY 2020 Federal Funds	FY 2020 Matching Funds	FY 2021 Federal Funds	FY 2021 Matching Funds	FY 2022 Federal Funds	FY 2022 Matching Funds	FY 2023 Federal Funds	FY 2023 Matching Funds	Total Four-Year Funding Request
CON	\$0	\$0	\$781	\$195	\$0	\$0	\$0	\$0	\$976
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
<b>Subtotal</b>	<b>\$0</b>	<b>\$0</b>	<b>\$781</b>	<b>\$195</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$976</b>

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

Phase	FY 2020 Federal Funds	FY 2020 Matching Funds	FY 2021 Federal Funds	FY 2021 Matching Funds	FY 2022 Federal Funds	FY 2022 Matching Funds	FY 2023 Federal Funds	FY 2023 Matching Funds	Total Four-Year Funding Request
CON	\$7,291	\$1,823	\$5,076	\$1,269	\$1,231	\$308	\$4,497	\$1,124	\$22,619
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
<b>Subtotal</b>	<b>\$7,291</b>	<b>\$1,823</b>	<b>\$5,076</b>	<b>\$1,269</b>	<b>\$1,231</b>	<b>\$308</b>	<b>\$4,497</b>	<b>\$1,124</b>	<b>\$22,619</b>
<b>Total</b>	<b>\$7,291</b>	<b>\$1,823</b>	<b>\$5,857</b>	<b>\$1,464</b>	<b>\$1,231</b>	<b>\$308</b>	<b>\$4,497</b>	<b>\$1,124</b>	<b>\$23,595</b>

### MARC Improvements

<b>TIP ID</b>	70-1502-54	<b>Year of Operation</b>	Ongoing
<b>Agency</b>	MTA - Commuter Rail	<b>Project Type</b>	Preservation and improvements
<b>Project Category</b>	Commuter Rail Preservation	<b>Functional Class</b>	NA
<b>Conformity Status</b>	Exempt	<b>Physical Data</b>	NA
<b>CIP or CTP ID(s)</b>	Multiple	<b>Est. Total Cost</b>	\$52,104,000

**Description:**

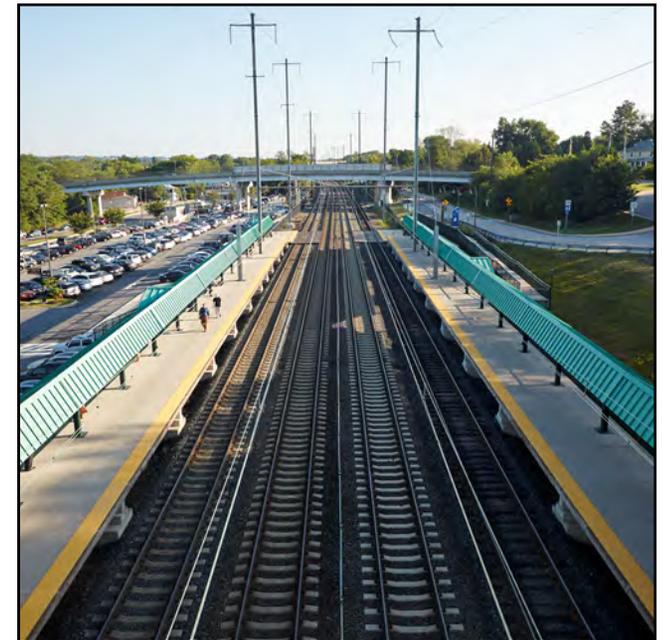
This project provides funding to implement ongoing improvements derived from the MARC Master Plan and Amtrak/CSX Operating Agreements. Projects include: improvements to the Penn line, improvements to the Brunswick and Camden lines, system-wide parking lot improvements, the design, procurement, and installation of an ADA compliant public address system at all MARC stations on the Brunswick, Camden, and Penn lines, installation of an audio/visual warning system for approaching MARC trains, uninterruptible power supply and lighting protections, and the collaborative cost-sharing arrangement to advance development of the Northeast corridor infrastructure. In addition to the matching funds listed, MTA has committed \$18.1 million in state dollars.

**Justification:**

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

**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)**

Phase	FY 2020 Federal Funds	FY 2020 Matching Funds	FY 2021 Federal Funds	FY 2021 Matching Funds	FY 2022 Federal Funds	FY 2022 Matching Funds	FY 2023 Federal Funds	FY 2023 Matching Funds	Total Four-Year Funding Request
CON	\$86	\$22	\$2,637	\$659	\$1,242	\$311	\$624	\$156	\$5,737
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
<b>Subtotal</b>	<b>\$86</b>	<b>\$22</b>	<b>\$2,637</b>	<b>\$659</b>	<b>\$1,242</b>	<b>\$311</b>	<b>\$624</b>	<b>\$156</b>	<b>\$5,737</b>

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

Phase	FY 2020 Federal Funds	FY 2020 Matching Funds	FY 2021 Federal Funds	FY 2021 Matching Funds	FY 2022 Federal Funds	FY 2022 Matching Funds	FY 2023 Federal Funds	FY 2023 Matching Funds	Total Four-Year Funding Request
CON	\$11,333	\$2,833	\$5,374	\$1,344	\$8,100	\$2,025	\$12,286	\$3,072	\$46,367
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
<b>Subtotal</b>	<b>\$11,333</b>	<b>\$2,833</b>	<b>\$5,374</b>	<b>\$1,344</b>	<b>\$8,100</b>	<b>\$2,025</b>	<b>\$12,286</b>	<b>\$3,072</b>	<b>\$46,367</b>
<b>Total</b>	<b>\$11,419</b>	<b>\$2,855</b>	<b>\$8,011</b>	<b>\$2,003</b>	<b>\$9,342</b>	<b>\$2,336</b>	<b>\$12,910</b>	<b>\$3,228</b>	<b>\$52,104</b>

**MARC Facilities**

<b>TIP ID</b>	70-1503-55	<b>Year of Operation</b>	Ongoing
<b>Agency</b>	MTA - Commuter Rail	<b>Project Type</b>	Rehabilitation of facilities
<b>Project Category</b>	Commuter Rail Preservation	<b>Functional Class</b>	NA
<b>Conformity Status</b>	Exempt	<b>Physical Data</b>	NA
<b>CIP or CTP ID(s)</b>	Multiple	<b>Est. Total Cost</b>	\$80,919,000

**Description:**

- 1) Procure Riverside maintenance facility, which CSX has offered to sell to MTA. Maintenance activities for equipment on the MARC Camden Line would then be under direct control of MARC. MTA & CSX are jointly working with MDE to remediate hazardous material contamination.
- 2) Design and engineering for BWI MARC/Amtrak facility renovation and improvements. This work involves station improvements and new canopies.
- 3) MARC Martin State Airport – Purchase private property & construct 2 additional storage tracks.
- 4) Construction of Riverside heavy maintenance facility.

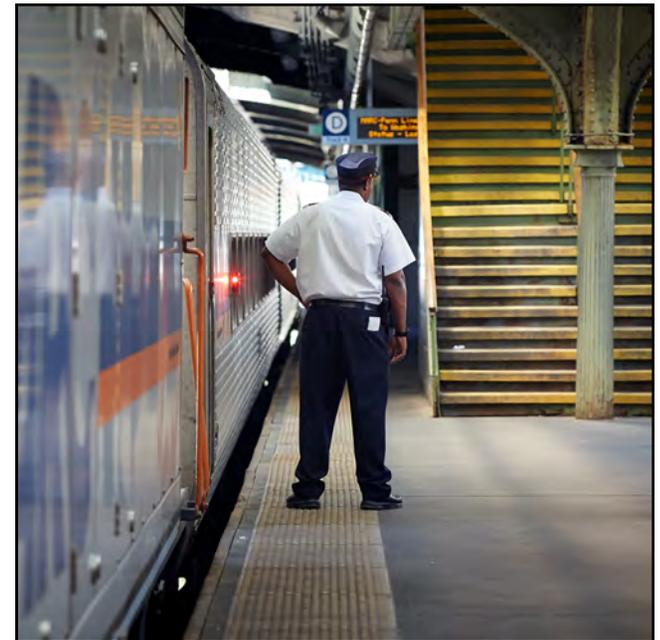
**Justification:**

- 1 & 4) Space needed in the Baltimore region for MARC train maintenance and storage.
- 2) Repairs will extend the useful life of the garages and support continued ridership on the MARC system from this location.
- 3) Space needed in the Baltimore region for MARC train maintenance and storage.

Note: In addition to the matching funds listed, MTA has committed \$4.5 million in state dollars.

**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.B Improve Accessibility -- Improve ADA-related conditions for pedestrians / transit riders.





**MARC Facilities**

(Funding in Thousands)

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

Phase	FY 2020 Federal Funds	FY 2020 Matching Funds	FY 2021 Federal Funds	FY 2021 Matching Funds	FY 2022 Federal Funds	FY 2022 Matching Funds	FY 2023 Federal Funds	FY 2023 Matching Funds	Total Four-Year Funding Request
CON	\$0	\$0	\$24,147	\$6,037	\$27,287	\$6,822	\$13,301	\$3,325	\$80,919
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
<b>Subtotal</b>	<b>\$0</b>	<b>\$0</b>	<b>\$24,147</b>	<b>\$6,037</b>	<b>\$27,287</b>	<b>\$6,822</b>	<b>\$13,301</b>	<b>\$3,325</b>	<b>\$80,919</b>
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$24,147</b>	<b>\$6,037</b>	<b>\$27,287</b>	<b>\$6,822</b>	<b>\$13,301</b>	<b>\$3,325</b>	<b>\$80,919</b>