

Capital Area Transit (CAT)  
Transit TIP FFY 2023-2026  
Transit Project Narrative

Transit TIP projects:

**MPMS #102464 ADA Line Item**

FFY2023 – FFY 2026:

The ADA line item funds include funding of up to 80 percent of the provision of complementary ADA paratransit service as required under The Americans with Act of 1990.

**MPMS #102467 Safety & Security**

FFY2023 – FFY 2026:

This item provides funds for Safety and Security for CAT using Federal, State, and Local Funds. CAT will be purchasing general safety/security equipment, including but not limited to driver barriers for its revenue vehicle fleet and upgrades to its security cameras and lighting at its Administrative/Maintenance facility. Projects occurring under this MPMS number will assist in meeting the goals and targets in CAT's Public Transportation Agency Safety Plan (PTASP) under the FTA mandate.

**MPMS #102469 Preventive Maintenance**

FFY2023 – FFY 2026:

This item provides funds for CAT's facilities and vehicles for CAT using Federal, State, and Local funds. Preventive maintenance expenses include, but are not limited to, any expense that benefits CAT's maintenance department, facilities, or vehicles. CAT will use PM funds for the purchase of vehicle parts (filters, brackets, bearings, supplies, windshields, electrical components, etc.) as well as costs to maintain the facility (both buildings, grounds, and equipment). Typical facility expenses may include repairing garage doors, cleaning floors, windows, and walls, or making minor repairs to the floors or walls). These expenses incurred are critical to maintaining CAT's Fixed Route vehicle fleet, and will allow for those vehicles to operate effectively, extending their lives. That in turn will allow CAT to follow its TAM Plan schedule for vehicle replacement, and will prevent vehicles from critical failures, which may result in vehicles needing to be retired prior to CAT's schedule. Proper maintenance of the facilities will also allow CAT to extend the life of the buildings until such a time when a replacement facility is viable. This will also allow for the safety of all CAT personnel and staff, and allow for the safe storage of vehicles.

**MPMS #102473 Shop Equipment**

FFY2023 – FFY 2026:

This item provides funds for shop tools and equipment for CAT using Federal, State, and Local funds. Shop equipment consists of all tools and supplies maintenance personnel will need to perform their duties effectively and safely. Proper equipment for maintenance personnel is critical for them to properly maintain CAT's Fixed Route vehicle fleet, and is very important in assisting CAT in achieving the goals set forth in the TAM Plan. CAT has an evolving fleet with modern technology, and it is therefore often necessary to purchase specific tools for specific

bus types. Typical shop purchases will consist of smaller tools such as impact wrenches, tire changers, truck jacks, wheel dollies, diagnostic tools, and fluid dispensing equipment. Although there may be times where CAT deems it necessary to purchase more significant shop tools such as portable lifts or larger jacks which may be necessary for some of CAT's larger/newer buses.

#### **MPMS #102474 Office Equipment**

FFY2023 – FFY 2026:

This item provides funds for office equipment, including but not limited to computer and related equipment, for CAT using Federal, State, and Local funds.

#### **MPMS #102475 Comm./Intell. Trans.**

FFY2023 – FFY 2026:

Using Federal, State, and Local funds, CAT will continue to make purchases to its Automated Vehicle Locator (AVL) equipment, and will also be purchasing a pedestrian and vehicle alert system that will visually alert and announce when a bus is turning. CAT will also continue the process of upgrading/replacing its radio communication system for its revenue vehicle fleet which will allow for the vehicles to have the technologically current and capable system in operations. This will allow for real-time communication between the operators and dispatch. CAT will also be making communications purchases it deems necessary to modernize equipment that will allow for improved monitoring and analysis of service. CAT's communications projects will be used to enhance safety and mitigate safety hazards, as per CAT's PTASP. The specific projects will be completed to make alerts to CAT passengers and the general public, allow for enhanced monitoring of CAT vehicles and service and will allow for improved dispatching functions related to CAT service. The results will enhance efficiency, improve safety operations, and CAT and its riders will have increased real-time data related to service and activity on the street. In addition, CAT has significant operations in a city that features heavy and dense pedestrian traffic. The projects under this MPMS number will be completed in conjunction with additional Federal, as well as State funded projects that will alert pedestrians and foot traffic of bus movements, and will improve the locations, visibility, and markings of CAT bus stops. All of these projects are intended to improve operations and service, and increase safety for CAT staff, riders, and the general public.

#### **MPMS #102476 Facility Improvements**

FFY2023 – FFY 2026:

All items currently planned under this MPMS number for general improvements and upgrades to CAT's facility are for CAT current Operations and Maintenance base of operations located at 901 N. Cameron Street, Harrisburg PA 17101 using Federal, State and Local funds.

#### **MPMS #102482 Transit Bus Purchase**

In accordance with the Transit Asset Management Plan targets, CAT will purchase replacement fixed route vehicles under this MPMS project. Total number planned to be replaced is:

FFY 2023: We estimate the number of vehicles that will be eligible for replacement to be eleven (11). These buses represent CAT's fleet of 40' Hybrid buses. Specific vehicles to be replaced will

be determined based on condition of the vehicles in the fleet and recent maintenance history at the time of arrival of the replacement vehicles.

FFY 2024: We estimate the number of vehicles that will be eligible for replacement to be seven (7) 35' low floor diesel buses. Specific vehicles to be replaced will be determined based on condition of the vehicles in the fleet and recent maintenance history at the time of arrival of the replacement vehicles.

FFY 2025: We estimate the number of vehicles that will be eligible for replacement to be seven (7) 40' low floor diesel buses. Specific vehicles to be replaced will be determined based on condition of the vehicles in the fleet and recent maintenance history at the time of arrival of the replacement vehicles.

FFY 2026: We estimate the number of vehicles that will be eligible for replacement to be six (6) 40' low floor diesel buses. Specific vehicles to be replaced will be determined based on condition of the vehicles in the fleet and recent maintenance history at the time of arrival of the replacement vehicles.

Replacement eligibility follows the Estimated Useful Life (EUL) criteria found in FTA Circular 5010.1E. Prioritization of the replacement order of those eligible assets is then based on condition and maintenance needs, per above.

All vehicle replacements include the cost of the bus and other systems and equipment necessary to operate service including, but not limited to: security cameras, radio communication systems, etc.

Projects occurring under this MPMS number will assist in meeting CATs Transit Asset Management (TAM) Plan Goals and Targets under the FTA mandate and as reported to the National Transit Database (NTD).

#### **MPMS #102484 CAT Operating**

FFY2023 – FFY 2026:

This item provides funds for CAT Operating costs using State and Local Funds.

#### **MPMS #102485 Shared Ride Vehicle**

CAT is planning to purchase replacement paratransit vehicles under this MPMS project using State funds. All Shared Ride vehicles to be replaced by CAT will be 29' Ford Cutaways.

FFY 2023: We do not anticipate any vehicle replacement needs. Funds are being programmed on the TIP for a future purchase.

FFY 2024: We estimate the number of vehicles that will be eligible for replacement to be twelve (12). Specific vehicles to be replaced will be determined based on condition of the vehicles in the fleet and recent maintenance history at the time of arrival of the replacement vehicles.

FFY 2025: We estimate the number of vehicles that will be eligible for replacement to be nine (9). Specific vehicles to be replaced will be determined based on condition of the vehicles in the fleet and recent maintenance history at the time of arrival of the replacement vehicles.

FFY 2026: We estimate the number of vehicles that will be eligible for replacement to be twelve (12). Specific vehicles to be replaced will be determined based on condition of the vehicles in the fleet and recent maintenance history at the time of arrival of the replacement vehicles.

**MPMS #116733 CAT Vehicles**

FFY 2023 – FFY 2026:

The funding under this MPMS number, consisting of Federal, State, and Local funds, will be used in coordination with MPMS #102482 and MPMS # 94636 for the procurement and replacement of transit vehicles in FFY 2023 – FFY 2026.

HATS Highway and Bridge TIP projects:

**MPMS #94636 Rolling Stock Replacement**

FFY 2023 – FFY 2026:

These Federal funds will be used in coordination with MPMS # 116733 CAT Vehicles and MPMS# 102482 Transit Bus Purchase. Specific vehicles to be replaced will be determined based on condition of the vehicles in the fleet and recent maintenance history at the time of arrival of the replacement vehicles. Replacement eligibility follows the Estimated Useful Life (EUL) criteria found in FTA Circular 5010.1E. All vehicle replacements include the cost of the bus and other systems and equipment necessary to operate service including, but not limited to: security cameras, fare collection systems, radio communication systems, head signs, CAD/AVL, etc.. Projects occurring under this MPMS number will assist in meeting CPTA's Transit Asset Management (TAM) Plan Goals and Targets under the FTA mandate.

**MPMS #112974 rabbittransit Emp Access**

Funding will be used in coordination with MPMS# 113077 from the YAMPO TIP for a demonstration project to provide access to employment centers along the I-83 corridor between York and Harrisburg beyond the current rabbittransit or CAT fixed route service areas.