

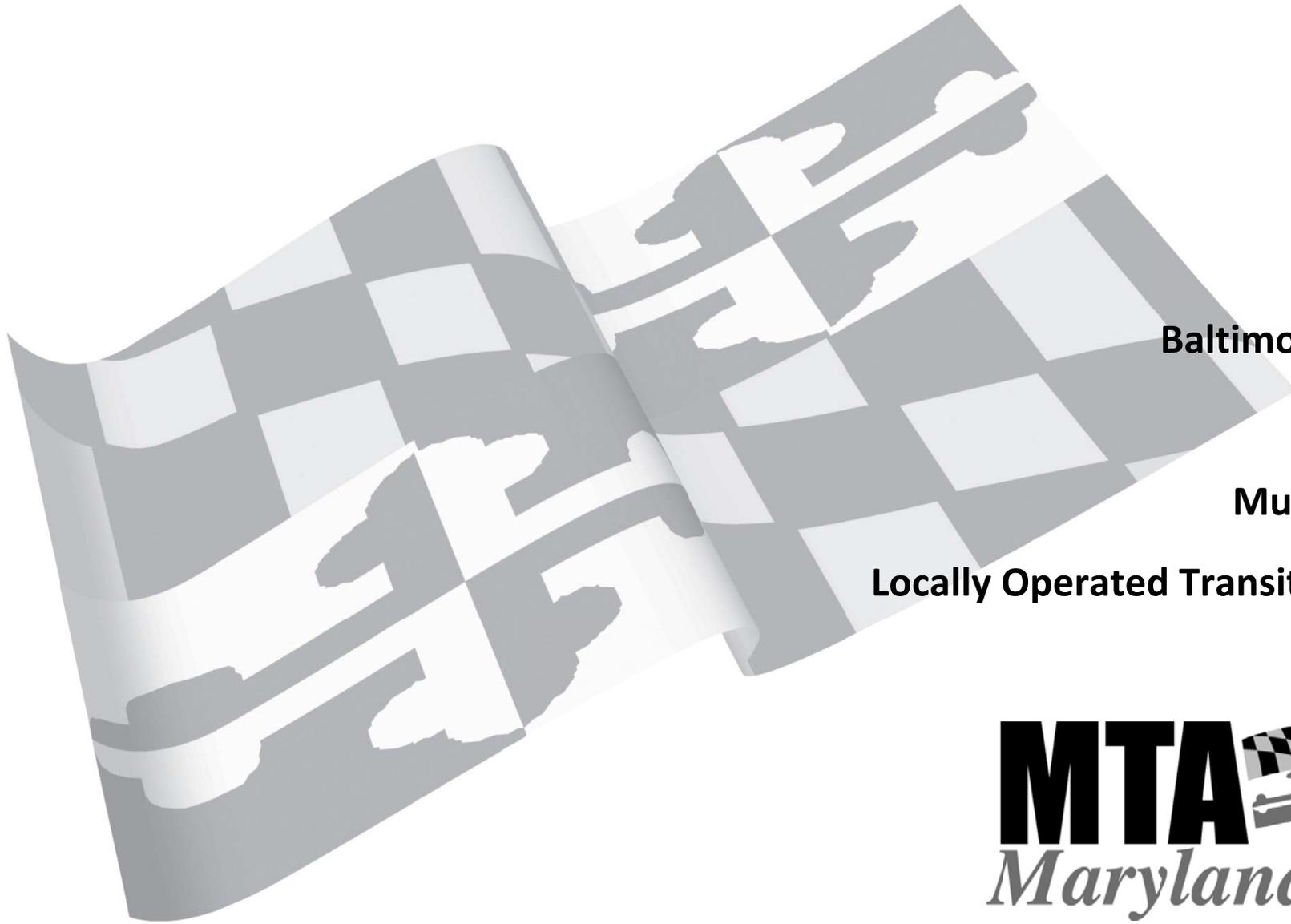
MTA 
Maryland



MARYLAND TRANSIT ADMINISTRATION

**MARYLAND TRANSIT ADMINISTRATION
CAPITAL PROGRAM SUMMARY
(\$ MILLIONS)**

	<u>FY 2017</u>	<u>FY 2018</u>	<u>FY 2019</u>	<u>FY 2020</u>	<u>FY 2021</u>	<u>FY 2022</u>	<u>SIX-YEAR TOTAL</u>
<u>Construction Program</u>							
Major Projects	761.2	722.7	555.3	363.0	282.3	427.9	3,112.3
System Preservation Minor Projects	80.5	65.9	45.4	50.7	55.9	125.5	424.0
<u>Development & Evaluation Program</u>	<u>0.3</u>	<u>3.3</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>3.5</u>
SUBTOTAL	842.0	791.8	600.7	413.7	338.2	553.4	3,539.8
<u>Capital Salaries, Wages & Other Costs</u>	<u>12.5</u>	<u>13.0</u>	<u>13.0</u>	<u>14.0</u>	<u>14.0</u>	<u>14.0</u>	<u>80.5</u>
TOTAL	854.5	804.8	613.7	427.7	352.2	567.4	3,620.3
Special Funds	366.3	330.6	219.0	88.4	54.1	153.0	1,211.3
Federal Funds	438.8	423.3	337.8	280.8	281.5	321.5	2,083.8
Other Funding	49.4	50.9	56.9	58.5	16.6	92.9	325.2



MARC

Freight

Light Rail

Baltimore Metro

Bus

Multi-Modal

Locally Operated Transit Systems



MTA CONSTRUCTION PROGRAM



PROJECT: MARC Maintenance, Layover, & Storage Facilities

DESCRIPTION: Planning, environmental documentation, design, property acquisition, and construction of maintenance, layover, and storage facilities. Includes construction for the Washington Mid-Day Storage Yard, design and construction funding for storage tracks at the MARC Martin State Airport facility, and acquisition and improvements at the Riverside Maintenance Facility.

PURPOSE & NEED SUMMARY STATEMENT: Projects will provide critically needed storage and maintenance facilities for the MARC fleet. The storage facility upgrades will reduce interference with Amtrak operations at Washington Union Station and Penn Station and provide urgently needed fleet storage away from the passenger platforms at the station.

STATE GOALS : Maryland Transportation Plan (MTP) Goals/Selection Criteria:

- | | |
|---|--|
| <input type="checkbox"/> Safety & Security | <input type="checkbox"/> Environmental Stewardship |
| <input checked="" type="checkbox"/> System Preservation | <input type="checkbox"/> Community Vitality |
| <input checked="" type="checkbox"/> Quality of Service | <input type="checkbox"/> Economic Prosperity |

EXPLANATION: Additional storage capacity enables MARC trains to be stored away from passenger platforms, minimizing disruptions and delays caused by congestion around the platforms.

SMART GROWTH STATUS: Project Not Location Specific Not Subject to PFA Law

- | | |
|--|---|
| <input checked="" type="checkbox"/> Project Inside PFA | <input type="checkbox"/> Grandfathered |
| <input type="checkbox"/> Project Outside PFA | <input type="checkbox"/> Exception Will Be Required |
| <input type="checkbox"/> PFA Status Yet to Be Determined | <input type="checkbox"/> Exception Granted |

ASSOCIATED IMPROVEMENTS:

MARC Growth and Investment Program - Line 36
 MARC Northeast Maintenance Facility - Line 37

STATUS: Construction for the Washington Mid-Day Storage Yard was completed in FY 2015. Design is underway for the Martin State Airport storage tracks and construction is anticipated to begin in FY 2018. Acquisition activities for the Riverside Maintenance Facility will begin in FY 2017.

SIGNIFICANT CHANGE FROM FY 2016 - 21 CTP: Project cost increased by \$6.4M due to an increase in funding for the Martin State Airport project to fully fund the construction.

POTENTIAL FUNDING SOURCE:		<input checked="" type="checkbox"/> SPECIAL		<input checked="" type="checkbox"/> FEDERAL		<input type="checkbox"/> GENERAL		<input type="checkbox"/> OTHER		
PHASE	TOTAL ESTIMATED COST (\$000)	EXPEND THRU 2016	CURRENT YEAR 2017	BUDGET YEAR 2018	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
					....2019....	....2020....	....2021....	....2022....		
Planning	1,106	630	475	1	0	0	0	0	476	0
Engineering	9,663	9,063	400	200	0	0	0	0	600	0
Right-of-way	30,297	1,805	0	3,492	0	0	25,000	0	28,492	0
Construction	49,728	36,968	0	2,550	3,850	6,360	0	0	12,760	0
Total	90,794	48,466	875	6,243	3,850	6,360	25,000	0	42,328	0
Federal-Aid	59,595	30,953	700	4,862	3,080	0	20,000	0	28,642	0



PROJECT: MARC Improvements on Camden, Brunswick, and Penn Lines

DESCRIPTION: Ongoing improvement program of the MARC Camden, Brunswick, and Penn lines to ensure safety and quality of service. Program is implemented through CSX and Amtrak construction agreements. CSX efforts include projects such as interlocking replacements and other track improvements. Amtrak efforts include projects such as passenger upgrades at Baltimore Penn Station and Washington Union Station, interlocking work, and other track improvements.

PURPOSE & NEED SUMMARY STATEMENT: Investments in passenger rail corridor infrastructure improvements are necessary to continue quality MARC service.

STATE GOALS : Maryland Transportation Plan (MTP) Goals/Selection Criteria:

- | | |
|---|--|
| <input type="checkbox"/> Safety & Security | <input type="checkbox"/> Environmental Stewardship |
| <input checked="" type="checkbox"/> System Preservation | <input type="checkbox"/> Community Vitality |
| <input checked="" type="checkbox"/> Quality of Service | <input type="checkbox"/> Economic Prosperity |

EXPLANATION: Projects such as interlocking replacements and platform improvements are needed to keep the system in a state of good repair.

SMART GROWTH STATUS: Project Not Location Specific Not Subject to PFA Law

- | | |
|--|---|
| <input type="checkbox"/> Project Inside PFA | <input type="checkbox"/> Grandfathered |
| <input type="checkbox"/> Project Outside PFA | <input type="checkbox"/> Exception Will Be Required |
| <input type="checkbox"/> PFA Status Yet to Be Determined | <input type="checkbox"/> Exception Granted |

ASSOCIATED IMPROVEMENTS:

MARC Growth and Investment Program - Line 36

STATUS: Ongoing projects on the Penn Line include Hanson Interlocking, block tie replacement, and Carroll to Bowie undercutting. Track improvements on the Camden Line are ongoing.

SIGNIFICANT CHANGE FROM FY 2016 - 21 CTP: Project cost increased by \$43.3M due to the addition of FY 22.

POTENTIAL FUNDING SOURCE:		<input checked="" type="checkbox"/> SPECIAL		<input checked="" type="checkbox"/> FEDERAL		<input type="checkbox"/> GENERAL		<input type="checkbox"/> OTHER			
PHASE	TOTAL		CURRENT YEAR	BUDGET YEAR	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE	
	ESTIMATED COST (\$000)	EXPEND THRU 2016			2017	20182019....2020....		2021....	....2022....
Planning	0	0	0	0	0	0	0	0	0	0	
Engineering	8,752	6,601	594	257	600	600	100	0	2,151	0	
Right-of-way	0	0	0	0	0	0	0	0	0	0	
Construction	307,985	166,825	8,472	19,827	27,198	21,279	21,100	43,284	141,160	0	
Total	316,737	173,426	9,066	20,084	27,798	21,879	21,200	43,284	143,311	0	
Federal-Aid	232,448	122,774	7,252	16,066	20,447	14,322	16,960	34,627	109,674	0	

0183, 0687, 1460



PROJECT: MARC Coaches - Overhauls and Replacement

DESCRIPTION: Minor overhaul of 63 MARC III coaches, purchase of 54 MARC IV multi-level coaches, and mid-life overhaul of 26 MARC IIA coaches.

PURPOSE & NEED SUMMARY STATEMENT: Overhauls will extend the life cycle of mechanical systems and car bodies, providing safe and reliable vehicles for MARC service. 54 new railcars will replace 12 Gallery coaches scheduled for retirement. The remainder of the new vehicles will be used for expanded service.

STATE GOALS : Maryland Transportation Plan (MTP) Goals/Selection Criteria:

- | | |
|---|--|
| <input type="checkbox"/> Safety & Security | <input type="checkbox"/> Environmental Stewardship |
| <input checked="" type="checkbox"/> System Preservation | <input type="checkbox"/> Community Vitality |
| <input checked="" type="checkbox"/> Quality of Service | <input type="checkbox"/> Economic Prosperity |

EXPLANATION: This project includes railcar purchases and overhauls of MARC coaches to refurbish and update mechanical systems and car bodies.

SMART GROWTH STATUS: Project Not Location Specific Not Subject to PFA Law

- | | |
|--|---|
| <input type="checkbox"/> Project Inside PFA | <input type="checkbox"/> Grandfathered |
| <input type="checkbox"/> Project Outside PFA | <input type="checkbox"/> Exception Will Be Required |
| <input type="checkbox"/> PFA Status Yet to Be Determined | <input type="checkbox"/> Exception Granted |

ASSOCIATED IMPROVEMENTS:

None.

STATUS: Final acceptance of the 54 MARC IV coaches will occur in FY 2017. The overhaul of MARC III vehicles is underway. Specification development for the MARC IIA coaches will begin in FY 2018.

SIGNIFICANT CHANGE FROM FY 2016 - 21 CTP: Cost increased by \$6.4M due to the addition of FY 2022 and additional funding to complete the MARC IV project.

POTENTIAL FUNDING SOURCE:		<input checked="" type="checkbox"/> SPECIAL		<input checked="" type="checkbox"/> FEDERAL		<input type="checkbox"/> GENERAL		<input type="checkbox"/> OTHER			
PHASE	TOTAL		CURRENT YEAR	BUDGET YEAR	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE	
	ESTIMATED COST (\$000)	EXPEND THRU 2016			2017	20182019.....2020.....		2021.....	.....2022.....
Planning	0	0	0	0	0	0	0	0	0	0	
Engineering	1,649	649	0	0	0	1,000	0	0	1,000	0	
Right-of-way	0	0	0	0	0	0	0	0	0	0	
Construction	222,775	169,944	7,725	14,006	11,000	6,300	6,000	7,800	52,831	0	
Total	224,424	170,593	7,725	14,006	11,000	7,300	6,000	7,800	53,831	0	
Federal-Aid	170,439	127,831	6,180	11,204	8,800	5,840	4,344	6,240	42,608	0	

1263, 1304, 1450



PROJECT: MARC Locomotives - Overhauls and Replacements

DESCRIPTION: Procure 8 new diesel MP-36 locomotives and repower 6 GP-39 diesel locomotives.

PURPOSE & NEED SUMMARY STATEMENT: Overhaul of locomotives in accordance with the manufacturer's schedule is needed to maintain safe and reliable operation and to comply with federally-mandated maintenance regulations. Replacement diesel locomotives have higher horsepower and meet EPA air quality emissions standards.

STATE GOALS : Maryland Transportation Plan (MTP) Goals/Selection Criteria:

- | | |
|---|--|
| <input type="checkbox"/> Safety & Security | <input type="checkbox"/> Environmental Stewardship |
| <input checked="" type="checkbox"/> System Preservation | <input type="checkbox"/> Community Vitality |
| <input type="checkbox"/> Quality of Service | <input type="checkbox"/> Economic Prosperity |

EXPLANATION: Locomotive overhauls and replacements are needed to maintain a state of good repair.

SMART GROWTH STATUS: Project Not Location Specific Not Subject to PFA Law

- | | |
|--|---|
| <input type="checkbox"/> Project Inside PFA | <input type="checkbox"/> Grandfathered |
| <input type="checkbox"/> Project Outside PFA | <input type="checkbox"/> Exception Will Be Required |
| <input type="checkbox"/> PFA Status Yet to Be Determined | <input type="checkbox"/> Exception Granted |

ASSOCIATED IMPROVEMENTS:

None.

STATUS: Production of the MP-36 diesel locomotives is underway. Procurement for the repower of the GP-39 Locomotives is underway.

SIGNIFICANT CHANGE FROM FY 2016 - 21 CTP: None.

POTENTIAL FUNDING SOURCE: <input checked="" type="checkbox"/> SPECIAL <input checked="" type="checkbox"/> FEDERAL <input type="checkbox"/> GENERAL <input type="checkbox"/> OTHER										
PHASE	TOTAL				PROJECTED CASH REQUIREMENTS				SIX YEAR TOTAL	BALANCE TO COMPLETE
	ESTIMATED COST (\$000)	EXPEND THRU 2016	CURRENT YEAR 2017	BUDGET YEAR 2018	FOR PLANNING PURPOSES ONLY	FOR PLANNING PURPOSES ONLY	FOR PLANNING PURPOSES ONLY	FOR PLANNING PURPOSES ONLY		
Planning	0	0	0	0	0	0	0	0	0	0
Engineering	650	650	0	0	0	0	0	0	0	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	72,866	18,676	5,955	31,165	8,235	8,835	0	0	54,190	0
Total	73,516	19,326	5,955	31,165	8,235	8,835	0	0	54,190	0
Federal-Aid	56,020	15,032	4,570	22,763	6,588	7,067	0	0	40,988	0



PROJECT: MARC Positive Train Control

DESCRIPTION: Implementation and development of Positive Train Control for MARC as required by the Federal Railroad Administration. Positive Train Control incorporates an on-board computer that ensures all signals are received by the various parts of the system to prevent collision, maintain speed limits, and train spacing, while also protecting track workers who have been given exclusive use of the tracks. If the on-board computer determines the train cannot operate safely within the restrictions, it applies the brakes thus preventing any potential accidents. All locomotives and cab cars will be upgraded to operate the Positive Train Control system.

PURPOSE & NEED SUMMARY STATEMENT: Positive Train control for MARC will create a safeguard against train collisions through proper train spacing on the tracks and active speed limit oversight.

STATE GOALS : Maryland Transportation Plan (MTP) Goals/Selection Criteria:

- | | |
|---|--|
| <input checked="" type="checkbox"/> Safety & Security | <input type="checkbox"/> Environmental Stewardship |
| <input type="checkbox"/> System Preservation | <input type="checkbox"/> Community Vitality |
| <input type="checkbox"/> Quality of Service | <input type="checkbox"/> Economic Prosperity |

SMART GROWTH STATUS: Project Not Location Specific Not Subject to PFA Law

- | | |
|--|---|
| <input type="checkbox"/> Project Inside PFA | <input type="checkbox"/> Grandfathered |
| <input type="checkbox"/> Project Outside PFA | <input type="checkbox"/> Exception Will Be Required |
| <input type="checkbox"/> PFA Status Yet to Be Determined | <input type="checkbox"/> Exception Granted |

ASSOCIATED IMPROVEMENTS:

None.

EXPLANATION: Ensure the safe operation of MARC service.

STATUS: Construction is underway with completion expected in FY 2017

SIGNIFICANT CHANGE FROM FY 2016 - 21 CTP: None.

POTENTIAL FUNDING SOURCE:		<input checked="" type="checkbox"/> SPECIAL		<input checked="" type="checkbox"/> FEDERAL		<input type="checkbox"/> GENERAL		<input type="checkbox"/> OTHER			
PHASE	TOTAL		CURRENT YEAR	BUDGET YEAR	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE	
	ESTIMATED COST (\$000)	EXPEND THRU 2016			2017	20182019.....2020.....		2021.....	.....2022.....
Planning	0	0	0	0	0	0	0	0	0	0	0
Engineering	24	24	0	0	0	0	0	0	0	0	0
Right-of-way	0	0	0	0	0	0	0	0	0	0	0
Construction	16,531	14,031	2,500	0	0	0	0	0	2,500	0	0
Total	16,555	14,055	2,500	0	0	0	0	0	2,500	0	0
Federal-Aid	11,055	11,055	0	0	0	0	0	0	0	0	0



PROJECT: MARC BWI Rail Station Upgrades and Repairs

DESCRIPTION: Structural improvements to the BWI Rail Station parking garages and improvements to the existing station; including a more passenger-friendly station with additional seating as well as a new pedestrian overpass connecting the garage and station.

PURPOSE & NEED SUMMARY STATEMENT: Repairs to both garages and upgrades to the existing infrastructure of the station are necessary to preserve and upgrade the BWI Rail Station.

STATE GOALS : Maryland Transportation Plan (MTP) Goals/Selection Criteria:

- | | |
|---|--|
| <input checked="" type="checkbox"/> Safety & Security | <input type="checkbox"/> Environmental Stewardship |
| <input checked="" type="checkbox"/> System Preservation | <input type="checkbox"/> Community Vitality |
| <input checked="" type="checkbox"/> Quality of Service | <input type="checkbox"/> Economic Prosperity |

EXPLANATION: This project includes inspection and repairs to garages as well as maintenance repairs and passenger improvements to the station.

SMART GROWTH STATUS: Project Not Location Specific Not Subject to PFA Law

- | | |
|--|---|
| <input checked="" type="checkbox"/> Project Inside PFA | <input type="checkbox"/> Grandfathered |
| <input type="checkbox"/> Project Outside PFA | <input type="checkbox"/> Exception Will Be Required |
| <input type="checkbox"/> PFA Status Yet to Be Determined | <input type="checkbox"/> Exception Granted |

ASSOCIATED IMPROVEMENTS:

MARC Growth and Investment Program - Line 36

STATUS: Construction is complete for parking garage improvements. Design for station improvements is underway.

SIGNIFICANT CHANGE FROM FY 2016 - 21 CTP: None.

USAGE: In FY 2015 MARC annual ridership was 8.4 million.

POTENTIAL FUNDING SOURCE:		<input checked="" type="checkbox"/> SPECIAL		<input checked="" type="checkbox"/> FEDERAL		<input type="checkbox"/> GENERAL		<input type="checkbox"/> OTHER			
PHASE	TOTAL ESTIMATED COST (\$000)	EXPEND THRU 2016	CURRENT YEAR 2017	BUDGET YEAR 2018	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE	
					....2019....	....2020....	....2021....	....2022....		
Planning	405	405	0	0	0	0	0	0	0	0	
Engineering	2,523	2,523	0	0	0	0	0	0	0	0	
Right-of-way	0	0	0	0	0	0	0	0	0	0	
Construction	10,847	2,307	3,650	3,750	0	640	0	500	8,540	0	
Total	13,775	5,235	3,650	3,750	0	640	0	500	8,540	0	
Federal-Aid	8,064	1,621	2,900	2,999	0	144	0	400	6,443	0	



PROJECT: Homeland Security

DESCRIPTION: Enhancements to the anti-terrorism and emergency preparedness processes, systems, law enforcement resources, and physical infrastructure. This project reduces the risk and consequences of terrorism to MTA's customers, infrastructure and communities.

PURPOSE & NEED SUMMARY STATEMENT: This project enhances MTA's capabilities to protect critical infrastructure, provide law enforcement with resources to increase their physical presence, train employees and transit riders to be aware of security related issues, and develop and enhance processes, standards, voice and video communication systems and cooperative agreements with local partners.

SMART GROWTH STATUS: Project Not Location Specific Not Subject to PFA Law

- Project Inside PFA
- Project Outside PFA
- PFA Status Yet to Be Determined
- Grandfathered
- Exception Will Be Required
- Exception Granted

ASSOCIATED IMPROVEMENTS:

Closed Circuit Television (CCTV) Improvements - Line 21

STATE GOALS : Maryland Transportation Plan (MTP) Goals/Selection Criteria:

- Safety & Security
- System Preservation
- Quality of Service
- Environmental Stewardship
- Community Vitality
- Economic Prosperity

EXPLANATION: This project enhances MTA's systems, law enforcement resources, and physical infrastructure.

STATUS: Construction is underway. FY 2010, 2011, and 2013 Homeland Security grants were completed in FY 2016.

SIGNIFICANT CHANGE FROM FY 2016 - 21 CTP: Project cost decreased by \$16.8M due to the completion and removal of the FY 2009 and FY 2012 grants.

POTENTIAL FUNDING SOURCE:		<input checked="" type="checkbox"/> SPECIAL		<input checked="" type="checkbox"/> FEDERAL		<input type="checkbox"/> GENERAL		<input type="checkbox"/> OTHER		
PHASE	TOTAL		CURRENT YEAR	BUDGET YEAR	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
	ESTIMATED COST (\$000)	EXPEND THRU 2016			2017	20182019.....2020.....			.....2021.....	.....2022.....
Planning	0	0	0	0	0	0	0	0	0	0
Engineering	502	502	0	0	0	0	0	0	0	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	23,022	21,952	941	129	0	0	0	0	1,070	0
Total	23,524	22,454	941	129	0	0	0	0	1,070	0
Federal-Aid	22,282	22,083	199	0	0	0	0	0	199	0

1432, 1433, 1448, 1454, 1468



PROJECT: Freight Bridge Rehabilitation

DESCRIPTION: Inspection and rehabilitation of bridges along State-owned freight lines. Bridges are regularly analyzed to evaluate their structural condition and prioritized for improvements based upon specific axle-load requirements, economic necessity, and available funding.

JUSTIFICATION: Regular inspection and rehabilitation of bridges is necessary to meet Federal Railroad Administration (FRA) requirements and maintain safe and efficient rail freight operations. Freight operations are essential to the economic welfare of the areas they serve.

SMART GROWTH STATUS: Project Not Location Specific Not Subject to PFA Law

- Project Inside PFA
- Project Outside PFA
- PFA Status Yet to Be Determined
- Grandfathered
- Exception Will Be Required
- Exception Granted

ASSOCIATED IMPROVEMENTS:
State-Owned Freight Rail (TSO - Line 5)

STATUS: The next cycle of bridge and culvert inspections will continue in FY 2017.

SIGNIFICANT CHANGE FROM FY 2016 - 21 CTP: Project cost increased \$1.7M to fully fund the next cycle of inspections and repairs.

POTENTIAL FUNDING SOURCE: <input checked="" type="checkbox"/> SPECIAL <input type="checkbox"/> FEDERAL <input type="checkbox"/> GENERAL <input type="checkbox"/> OTHER										
PHASE	TOTAL		CURRENT YEAR	BUDGET YEAR	PROJECTED CASH REQUIREMENTS				SIX YEAR TOTAL	BALANCE TO COMPLETE
	ESTIMATED COST (\$000)	EXPEND THRU 2016			FOR PLANNING PURPOSES ONLY2019.....2020.....2021.....			.....2022.....
Planning	0	0	0	0	0	0	0	0	0	0
Engineering	6,608	4,946	414	325	325	176	222	200	1,662	0
Right-of-way	60	30	30	0	0	0	0	0	30	0
Construction	19,995	12,314	329	1,082	1,790	1,480	1,500	1,500	7,681	0
Total	26,663	17,290	773	1,407	2,115	1,656	1,722	1,700	9,373	0
Federal-Aid	0	0	0	0	0	0	0	0	0	0



PROJECT: Light Rail Vehicle Overhaul

DESCRIPTION: Perform a mid-life overhaul of the Light Rail fleet. A 15-year inspection and overhaul of the major and sub-assemblies of the vehicles will be performed. The effort will also involve identifying and replacing obsolete parts to improve vehicle performance. Project also supports ongoing overhauls of systems to ensure reliability and safety.

PURPOSE & NEED SUMMARY STATEMENT: Major overhaul of the Light Rail vehicles and upgrades of selected systems will ensure safe operation, reduce ongoing maintenance costs, increase vehicle reliability and availability, and increase passenger comfort and security.

STATE GOALS : Maryland Transportation Plan (MTP) Goals/Selection Criteria:

- | | |
|---|--|
| <input type="checkbox"/> Safety & Security | <input type="checkbox"/> Environmental Stewardship |
| <input checked="" type="checkbox"/> System Preservation | <input type="checkbox"/> Community Vitality |
| <input checked="" type="checkbox"/> Quality of Service | <input type="checkbox"/> Economic Prosperity |

EXPLANATION: Projects include an ongoing and major overhaul of the Light Rail fleet to ensure safe, reliable service to the end of the cars' useful life.

SMART GROWTH STATUS: Project Not Location Specific Not Subject to PFA Law

- | | |
|--|---|
| <input type="checkbox"/> Project Inside PFA | <input type="checkbox"/> Grandfathered |
| <input type="checkbox"/> Project Outside PFA | <input type="checkbox"/> Exception Will Be Required |
| <input type="checkbox"/> PFA Status Yet to Be Determined | <input type="checkbox"/> Exception Granted |

ASSOCIATED IMPROVEMENTS:
None.

STATUS: The mid-life overhaul began in FY 2014. The first overhauled car has been received and is undergoing testing. Ongoing minor overhauls are underway.

SIGNIFICANT CHANGE FROM FY 2016 - 21 CTP: None.

POTENTIAL FUNDING SOURCE:		<input checked="" type="checkbox"/> SPECIAL		<input checked="" type="checkbox"/> FEDERAL		<input type="checkbox"/> GENERAL		<input type="checkbox"/> OTHER			
PHASE	TOTAL		CURRENT YEAR	BUDGET YEAR	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE	
	ESTIMATED COST (\$000)	EXPEND THRU 2016			2017	20182019.....2020.....		2021.....	.....2022.....
Planning	0	0	0	0	0	0	0	0	0	0	
Engineering	3,622	3,122	100	100	100	100	100	0	500	0	
Right-of-way	0	0	0	0	0	0	0	0	0	0	
Construction	193,081	69,117	33,214	68,848	12,993	7,809	700	400	123,964	0	
Total	196,703	72,239	33,314	68,948	13,093	7,909	800	400	124,464	0	
Federal-Aid	109,880	31,826	25,096	52,958	0	0	0	0	78,054	0	

USAGE: In FY 2016 Light Rail annual ridership was 7.5 million.



PROJECT: Light Rail Safety Improvements

DESCRIPTION: Funding to implement safety enhancements and improve Light Rail operations throughout the system. Projects include Howard Street safety improvements and Maintenance of Way improvements such as grade crossing replacements and track repairs.

PURPOSE & NEED SUMMARY STATEMENT: Repairs and replacements of equipment throughout the Light Rail system is required to reduce system failures and improve reliability.

STATE GOALS : Maryland Transportation Plan (MTP) Goals/Selection Criteria:

- | | |
|---|--|
| <input checked="" type="checkbox"/> Safety & Security | <input type="checkbox"/> Environmental Stewardship |
| <input checked="" type="checkbox"/> System Preservation | <input type="checkbox"/> Community Vitality |
| <input checked="" type="checkbox"/> Quality of Service | <input type="checkbox"/> Economic Prosperity |

EXPLANATION: This project includes inspection and repairs to the Light Rail's rail and cable systems to ensure safe and reliable service.

SMART GROWTH STATUS: Project Not Location Specific Not Subject to PFA Law

- | | |
|--|---|
| <input checked="" type="checkbox"/> Project Inside PFA | <input type="checkbox"/> Grandfathered |
| <input type="checkbox"/> Project Outside PFA | <input type="checkbox"/> Exception Will Be Required |
| <input type="checkbox"/> PFA Status Yet to Be Determined | <input type="checkbox"/> Exception Granted |

ASSOCIATED IMPROVEMENTS:
None.

STATUS: Project design is underway.

SIGNIFICANT CHANGE FROM FY 2016 - 21 CTP: Project cost increased by \$16.4M due to the addition of FY 2022.

POTENTIAL FUNDING SOURCE:		<input checked="" type="checkbox"/> SPECIAL		<input checked="" type="checkbox"/> FEDERAL		<input type="checkbox"/> GENERAL		<input type="checkbox"/> OTHER			
PHASE	TOTAL		CURRENT YEAR	BUDGET YEAR	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE	
	ESTIMATED COST (\$000)	EXPEND THRU 2016			2017	20182019.....2020.....		2021.....	.....2022.....
Planning	221	221	0	0	0	0	0	0	0	0	
Engineering	5,865	1,034	2,831	0	0	0	0	2,000	4,831	0	
Right-of-way	0	0	0	0	0	0	0	0	0	0	
Construction	33,153	363	5,050	2,291	5,085	3,200	2,764	14,400	32,790	0	
Total	39,239	1,618	7,881	2,291	5,085	3,200	2,764	16,400	37,621	0	
Federal-Aid	223	223	0	0	0	0	0	0	0	0	

0489, 1465, 1466, 1472



PROJECT: Metro Railcar and Signal System Overhauls and Replacement

DESCRIPTION: Replacement of Metro railcars and repair of critical equipment such as traction motors, gearboxes, axles, and wheels as well as repair and replacement of signal system and associated components.

PURPOSE & NEED SUMMARY STATEMENT: On-going overhauls for Metro vehicle subsystems is required to reduce system failures and improve reliability. The new vehicles will replace the existing fleet which is nearing the end of its useful life. The replacement of the Railcar Fleet will enhance passenger comfort and convenience, ensure better reliability, and improve safety. Metro's wayside signaling system has become difficult to maintain due to parts obsolescence. The replacement of the signaling systems with modern equipment will enhance passenger comfort and convenience, ensure better reliability, and improve safety.

SMART GROWTH STATUS: Project Not Location Specific Not Subject to PFA Law

- Project Inside PFA
- Project Outside PFA
- PFA Status Yet to Be Determined
- Grandfathered
- Exception Will Be Required
- Exception Granted

ASSOCIATED IMPROVEMENTS:
None.

STATE GOALS : Maryland Transportation Plan (MTP) Goals/Selection Criteria:

- Safety & Security
- System Preservation
- Quality of Service
- Environmental Stewardship
- Community Vitality
- Economic Prosperity

EXPLANATION: Overhaul of the Metro vehicles will ensure safe, reliable service to the end of the cars' useful life at which time the vehicles will be replaced.

STATUS: The next five-year overhaul cycle began in FY 2016. Procurement for the signaling system and fleet replacement is underway.

SIGNIFICANT CHANGE FROM FY 2016 - 21 CTP: Project cost decreased \$22.6M due to revised cost estimates.

USAGE: In FY 2016 Metro annual ridership was 12.2 million.

POTENTIAL FUNDING SOURCE:		<input checked="" type="checkbox"/> SPECIAL		<input checked="" type="checkbox"/> FEDERAL		<input type="checkbox"/> GENERAL		<input type="checkbox"/> OTHER			
PHASE	TOTAL		CURRENT YEAR	BUDGET YEAR	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE	
	ESTIMATED COST (\$000)	EXPEND THRU 2016			2017	20182019....2020....		2021....	....2022....
Planning	0	0	0	0	0	0	0	0	0	0	
Engineering	6,705	3,024	0	3,181	0	0	0	500	3,681	0	
Right-of-way	0	0	0	0	0	0	0	0	0	0	
Construction	572,063	27,118	7,459	54,578	103,924	115,750	103,087	82,036	466,834	78,111	
Total	578,768	30,142	7,459	57,759	103,924	115,750	103,087	82,536	470,515	78,111	
Federal-Aid	322,156	12,311	3,252	53,946	94,903	62,197	67,307	28,240	309,845	0	

0091, 1281, 1321, 1415, 1445, 1477



PROJECT: Metro Safety Improvements

DESCRIPTION: Funding to rebuild track interlockings that have reached the end of their useful life and to provide repairs and keep Metro tracks in a state of good repair. This project will also provide for improvements to the Metro tunnels and stations to improve their resilience to flooding.

PURPOSE & NEED SUMMARY STATEMENT: Interlockings allow trains to cross from one track to another using turnouts and are important for operations. Replacements and repairs to interlockings and maintenance of way are necessary to correct general degradation and to ensure safety. Flood resiliency will allow the Metro to continue to operate in severe weather conditions.

STATE GOALS : Maryland Transportation Plan (MTP) Goals/Selection Criteria:

- | | |
|---|--|
| <input checked="" type="checkbox"/> Safety & Security | <input type="checkbox"/> Environmental Stewardship |
| <input checked="" type="checkbox"/> System Preservation | <input type="checkbox"/> Community Vitality |
| <input type="checkbox"/> Quality of Service | <input type="checkbox"/> Economic Prosperity |

EXPLANATION: This project rebuilds interlockings and provides track repairs as part of Metro's system preservation program.

SMART GROWTH STATUS: Project Not Location Specific Not Subject to PFA Law

- | | |
|--|---|
| <input type="checkbox"/> Project Inside PFA | <input type="checkbox"/> Grandfathered |
| <input type="checkbox"/> Project Outside PFA | <input type="checkbox"/> Exception Will Be Required |
| <input type="checkbox"/> PFA Status Yet to Be Determined | <input type="checkbox"/> Exception Granted |

ASSOCIATED IMPROVEMENTS:

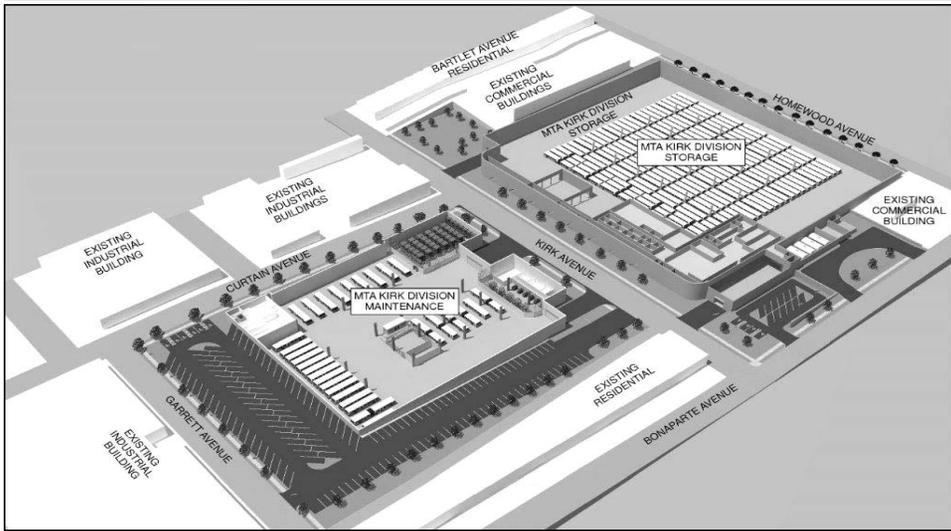
None.

STATUS: The Reisterstown Plaza West, Portal, and Rogers Avenue interlocking project is underway with completion expected in FY 2017. Construction for the Maintenance of Way project is underway.

SIGNIFICANT CHANGE FROM FY 2016 - 21 CTP: Project cost increased by \$19.9M due to the addition of the Metro Flood Resiliency project.

POTENTIAL FUNDING SOURCE:		<input checked="" type="checkbox"/> SPECIAL		<input checked="" type="checkbox"/> FEDERAL		<input type="checkbox"/> GENERAL		<input type="checkbox"/> OTHER			
PHASE	TOTAL		CURRENT YEAR	BUDGET YEAR	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE	
	ESTIMATED COST (\$000)	EXPEND THRU 2016			2017	20182019....2020....		2021....	....2022....
Planning	0	0	0	0	0	0	0	0	0	0	
Engineering	11,256	5,357	1,375	300	300	300	624	3,000	5,899	0	
Right-of-way	0	0	0	0	0	0	0	0	0	0	
Construction	56,345	9,063	14,661	2,230	2,105	4,000	7,410	16,876	47,282	0	
Total	67,601	14,420	16,036	2,530	2,405	4,300	8,034	19,876	53,181	0	
Federal-Aid	14,221	7,193	7,028	0	0	0	0	0	7,028	0	

1223, 1464, 1484



PROJECT: Kirk Bus Facility Replacement

DESCRIPTION: Construct replacement for the existing Kirk Bus Division. Phase I of the project will construct a new maintenance facility on an expanded site. Phase II will construct an enclosed storage/operations facility.

PURPOSE & NEED SUMMARY STATEMENT: The existing Kirk facility is obsolete, severely constrained, and cannot adequately support MTA's current fleet. MTA employees must park off-site on the surrounding neighborhood streets. By replacing the existing Kirk facility with two new sustainable buildings, substantial operational efficiencies will be realized and the community's environmental justice concerns will be addressed.

SMART GROWTH STATUS: Project Not Location Specific Not Subject to PFA Law

Project Inside PFA Grandfathered
 Project Outside PFA Exception Will Be Required
 PFA Status Yet to Be Determined Exception Granted

ASSOCIATED IMPROVEMENTS:
None.

STATE GOALS : Maryland Transportation Plan (MTP) Goals/Selection Criteria:

- Safety & Security
- System Preservation
- Quality of Service
- Environmental Stewardship
- Community Vitality
- Economic Prosperity

EXPLANATION: The project enables the MTA to service hybrid diesel-electric and articulated buses at the Kirk Bus Division and incorporates sustainable design practices in the new Kirk facilities.

STATUS: Construction of Phase I is underway to be completed in FY 2017. Design of Phase II is underway with construction expected to begin early FY 2018.

SIGNIFICANT CHANGE FROM FY 2016 - 21 CTP: None.

POTENTIAL FUNDING SOURCE:		<input checked="" type="checkbox"/> SPECIAL		<input checked="" type="checkbox"/> FEDERAL		<input type="checkbox"/> GENERAL		<input type="checkbox"/> OTHER			
PHASE	TOTAL		CURRENT YEAR	BUDGET YEAR	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE	
	ESTIMATED COST (\$000)	EXPEND THRU 2016			2017	20182019.....2020.....		2021.....	.....2022.....
Planning	3,337	3,337	0	0	0	0	0	0	0	0	0
Engineering	13,225	12,305	920	0	0	0	0	0	0	920	0
Right-of-way	3,867	3,091	408	368	0	0	0	0	0	776	0
Construction	132,014	47,194	23,041	25,144	36,635	0	0	0	0	84,820	0
Total	152,443	65,927	24,369	25,512	36,635	0	0	0	0	86,516	0
Federal-Aid	87,685	44,106	19,495	17,915	6,169	0	0	0	0	43,579	0



PROJECT: Bus Procurement

DESCRIPTION: Annual purchase of buses to replace those that have been in service for 12 or more years. The MTA has more than 700 buses in its active fleet.

JUSTIFICATION: Bus replacement levels are based on the fleet size and must be maintained to prevent high out-of-service rates and major repair problems that arise from retaining buses beyond their useful life. The replacement program will serve to maintain the average age of the bus fleet. Replacement buses will reduce emissions, fuel consumption, and noise levels.

SMART GROWTH STATUS: Project Not Location Specific Not Subject to PFA Law

- Project Inside PFA
- Project Outside PFA
- PFA Status Yet to Be Determined
- Grandfathered
- Exception Will Be Required
- Exception Granted

ASSOCIATED IMPROVEMENTS:
Bus Network Improvements - Line 17

STATUS: Delivery of 172 40-foot clean diesel buses is underway and will be complete in FY 2017. Specification development for a five-year bus procurement is underway.

SIGNIFICANT CHANGE FROM FY 2016 - 21 CTP: Project cost increased by \$93.7M due to the addition of FY 2022.

USAGE: In FY 2016 Bus annual ridership was 75.9 million.

<u>POTENTIAL FUNDING SOURCE:</u>		<input checked="" type="checkbox"/> SPECIAL		<input checked="" type="checkbox"/> FEDERAL		<input type="checkbox"/> GENERAL		<input type="checkbox"/> OTHER		
PHASE	TOTAL				PROJECTED CASH REQUIREMENTS				SIX YEAR TOTAL	BALANCE TO COMPLETE
	ESTIMATED COST (\$000)	EXPEND THRU 2016	CURRENT YEAR 2017	BUDGET YEAR 2018	FOR PLANNING PURPOSES ONLY	FOR PLANNING PURPOSES ONLY	FOR PLANNING PURPOSES ONLY	FOR PLANNING PURPOSES ONLY		
Planning	0	0	0	0	0	0	0	0	0	0
Engineering	700	700	0	0	0	0	0	0	0	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	499,115	188,773	97,554	25,000	37,950	38,096	18,000	93,742	310,342	0
Total	499,815	189,473	97,554	25,000	37,950	38,096	18,000	93,742	310,342	0
Federal-Aid	366,326	124,678	75,512	16,885	30,360	30,102	14,105	74,684	241,648	0

1172, 1447



PROJECT: Bus Communications Systems Upgrade

DESCRIPTION: Retrofit of MTA buses with a unified, integrated, state-of-the-art suite of on-board bus equipment as well as fixed-end systems at operations and security monitoring centers, allowing MTA to upgrade equipment and systems to enhance the delivery of safe and reliable customer service.

PURPOSE & NEED SUMMARY STATEMENT: The retrofit will provide a unified infrastructure on-board buses and will fully integrate security and monitoring systems.

STATE GOALS : Maryland Transportation Plan (MTP) Goals/Selection Criteria:

- Safety & Security
- System Preservation
- Quality of Service
- Environmental Stewardship
- Community Vitality
- Economic Prosperity

EXPLANATION: This project provides an integrated system for MTA's existing bus fleet that will offer enhanced safety and security as well as improved communications and information systems for customers.

SMART GROWTH STATUS: Project Not Location Specific Not Subject to PFA Law

- Project Inside PFA
- Project Outside PFA
- PFA Status Yet to Be Determined
- Grandfathered
- Exception Will Be Required
- Exception Granted

ASSOCIATED IMPROVEMENTS:
Bus Network Improvements - Line 17

STATUS: Construction is scheduled to begin in FY 2017.

POTENTIAL FUNDING SOURCE:		<input checked="" type="checkbox"/> SPECIAL		<input type="checkbox"/> FEDERAL		<input type="checkbox"/> GENERAL		<input type="checkbox"/> OTHER		
PHASE	TOTAL ESTIMATED COST (\$000)	EXPEND THRU 2016	CURRENT YEAR 2017	BUDGET YEAR 2018	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
					....2019....	....2020....	....2021....	....2022....		
Planning	0	0	0	0	0	0	0	0	0	0
Engineering	4,838	4,358	480	0	0	0	0	0	480	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	36,245	2,219	5,577	12,049	16,400	0	0	0	34,026	0
Total	41,083	6,577	6,057	12,049	16,400	0	0	0	34,506	0
Federal-Aid	0	0	0	0	0	0	0	0	0	0

SIGNIFICANT CHANGE FROM FY 2016 - 21 CTP: Project cost increased by \$3.4M to fully fund the construction.



PROJECT: Bus New Main Shop

DESCRIPTION: Design and construct a new bus maintenance shop within MTA's Washington Boulevard maintenance complex. The new facility will be utilized to perform major bus repairs including engine replacement, transmission repairs, and HVAC repairs. The facility is designed with sustainable design principles.

PURPOSE & NEED SUMMARY STATEMENT: Major bus repairs will be done in a new shop, freeing space in existing maintenance areas and improving utilization of the existing maintenance facilities.

SMART GROWTH STATUS: Project Not Location Specific Not Subject to PFA Law

Project Inside PFA Grandfathered
 Project Outside PFA Exception Will Be Required
 PFA Status Yet to Be Determined Exception Granted

ASSOCIATED IMPROVEMENTS:
None.

STATE GOALS : Maryland Transportation Plan (MTP) Goals/Selection Criteria:

- Safety & Security
- Environmental Stewardship
- System Preservation
- Community Vitality
- Quality of Service
- Economic Prosperity

EXPLANATION: This project will provide a new facility for major repair and improve the use of existing maintenance facility by freeing space for additional bus bays and other areas designated for minor repairs.

STATUS: Construction is underway with completion expected in FY 2017.

SIGNIFICANT CHANGE FROM FY 2016 - 21 CTP: None.

POTENTIAL FUNDING SOURCE: <input checked="" type="checkbox"/> SPECIAL <input checked="" type="checkbox"/> FEDERAL <input type="checkbox"/> GENERAL <input type="checkbox"/> OTHER										
PHASE	TOTAL				PROJECTED CASH REQUIREMENTS				SIX YEAR TOTAL	BALANCE TO COMPLETE
	ESTIMATED COST (\$000)	EXPEND THRU 2016	CURRENT YEAR 2017	BUDGET YEAR 2018	FOR PLANNING PURPOSES ONLY					
					....2019....	....2020....	....2021....	....2022....		
Planning	98	98	0	0	0	0	0	0	0	0
Engineering	2,107	2,107	0	0	0	0	0	0	0	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	40,427	35,113	5,314	0	0	0	0	0	5,314	0
Total	42,632	37,318	5,314	0	0	0	0	0	5,314	0
Federal-Aid	29,786	27,931	1,855	0	0	0	0	0	1,855	0



PROJECT: Bus Network Improvements

DESCRIPTION: Funding to implement improvements throughout the bus network including planning, design, and construction for transitways (dedicated bus lanes), transit hubs, and Transit Signal Prioritization (TSP). This project includes a portion of Governor Hogan's \$135M BaltimoreLink initiative.

PURPOSE & NEED SUMMARY STATEMENT: Improvements to the bus network will meet the needs of MTA customers and better connect riders to jobs and other transit modes through a high-frequency network.

STATE GOALS : Maryland Transportation Plan (MTP) Goals/Selection Criteria:

- Safety & Security
- System Preservation
- Quality of Service
- Environmental Stewardship
- Community Vitality
- Economic Prosperity

EXPLANATION: The elements of this project will improve reliability and on-time performance while simultaneously enhancing the customer wait and transfer experience.

SMART GROWTH STATUS: Project Not Location Specific Not Subject to PFA Law

- Project Inside PFA
- Project Outside PFA
- PFA Status Yet to Be Determined
- Grandfathered
- Exception Will Be Required
- Exception Granted

ASSOCIATED IMPROVEMENTS:

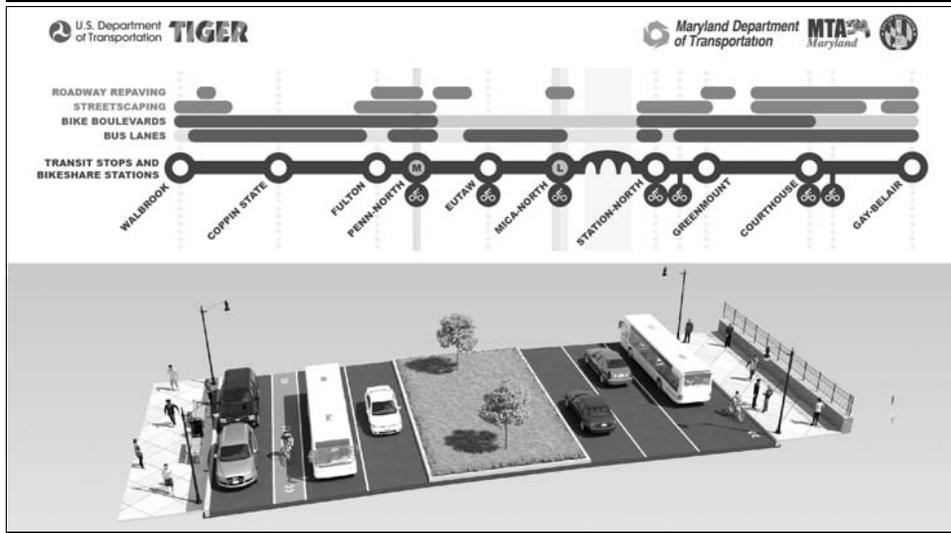
- Bus Procurement - Line 14
- Bus Communications Systems Upgrade - Line 15
- North Avenue Rising - Line 18

STATUS: Planning and design for the transit hubs, transitways, and Transit Signal Priority (TSP) are underway with construction expected to begin in FY 2017.

SIGNIFICANT CHANGE FROM FY 2016 - 21 CTP: None.

POTENTIAL FUNDING SOURCE: <input checked="" type="checkbox"/> SPECIAL <input checked="" type="checkbox"/> FEDERAL <input type="checkbox"/> GENERAL <input type="checkbox"/> OTHER										
PHASE	TOTAL				PROJECTED CASH REQUIREMENTS				SIX YEAR TOTAL	BALANCE TO COMPLETE
	ESTIMATED COST (\$000)	EXPEND THRU 2016	CURRENT YEAR 2017	BUDGET YEAR 2018	FOR PLANNING PURPOSES ONLY	FOR PLANNING PURPOSES ONLY	FOR PLANNING PURPOSES ONLY	FOR PLANNING PURPOSES ONLY		
Planning	2,701	1,651	1,050	0	0	0	0	0	1,050	0
Engineering	3,642	1,499	2,143	0	0	0	0	0	2,143	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	30,647	100	11,405	17,642	1,500	0	0	0	30,547	0
Total	36,990	3,250	14,598	17,642	1,500	0	0	0	33,740	0
Federal-Aid	20,800	0	9,040	10,960	800	0	0	0	20,800	0

1463, 1469, 1470, 1471



PROJECT: North Avenue Rising

DESCRIPTION: Planning, environmental documentation, design, and construction of facilities to improve transit, pedestrian, and bicycle movement and safety along the North Avenue corridor. Includes targeted streetscaping, Penn-North Metro Station improvements, roadway repaving, Dedicated Bus Lanes, Enhanced Bus Stops, Penn North intersection improvements, Transit Signal Priority, bike share docks, and on-street bike facilities (on North Avenue, Baker Street, and 20th Street).

PURPOSE & NEED SUMMARY STATEMENT: Project will improve reliability and speed of transit service along North Avenue (a key transit corridor in Baltimore City), improve pedestrian safety, expand bicycle access, leverage other City, State, and private investment in the corridor, and improve economic opportunities for corridor residents. The project will help bring both transit and roadway infrastructure into a better state of good repair, improve the quality of service for transit riders, reduce energy usage, and support economic development.

SMART GROWTH STATUS: Project Not Location Specific Not Subject to PFA Law

Project Inside PFA Grandfathered
 Project Outside PFA Exception Will Be Required
 PFA Status Yet to Be Determined Exception Granted

ASSOCIATED IMPROVEMENTS:
 Bus Network Improvements - Line 17

STATE GOALS: Maryland Transportation Plan (MTP) Goals/Selection Criteria:

- Safety & Security
- System Preservation
- Quality of Service
- Environmental Stewardship
- Community Vitality
- Economic Prosperity

EXPLANATION: This project will improve service and safety in the North Avenue corridor.

STATUS: This project was awarded \$10 million in federal Transportation Investment Generating Economic Recovery (TIGER) grant funds. Planning and design are underway.

SIGNIFICANT CHANGE FROM FY 2016 - 21 CTP: Project added to Construction Program

POTENTIAL FUNDING SOURCE:		<input checked="" type="checkbox"/> SPECIAL		<input checked="" type="checkbox"/> FEDERAL		<input type="checkbox"/> GENERAL		<input checked="" type="checkbox"/> OTHER			
PHASE	TOTAL		CURRENT YEAR	BUDGET YEAR	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE	
	ESTIMATED COST (\$000)	EXPEND THRU 2016			2017	20182019.....2020.....		2021.....	.....2022.....
Planning	500	0	100	100	100	100	100	0	500	0	
Engineering	1,000	0	200	400	300	50	50	0	1,000	0	
Right-of-way	0	0	0	0	0	0	0	0	0	0	
Construction	25,830	0	1,700	8,500	11,600	3,680	350	0	25,830	0	
Total	27,330	0	2,000	9,000	12,000	3,830	500	0	27,330	0	
Federal-Aid	10,000	0	732	3,293	4,391	1,401	183	0	10,000	0	

This project will be funded with \$1 million from Baltimore City and \$1.6 million from Federal Highway Administration.



PROJECT: Mobility Vehicle Procurement

DESCRIPTION: Procurement of paratransit services vehicles for service expansion and vehicle replacement.

JUSTIFICATION: Mobility vehicles are required to meet service demand and adhere to performance standards. An increase in vehicles is required to maintain established service benchmarks for on-time performance, travel time, and schedule compliance.

SMART GROWTH STATUS: Project Not Location Specific Not Subject to PFA Law

- Project Inside PFA
- Project Outside PFA
- PFA Status Yet to Be Determined
- Grandfathered
- Exception Will Be Required
- Exception Granted

ASSOCIATED IMPROVEMENTS:
None.

STATUS: 147 sedans were delivered in FY 2016. Procurement for a five year cutaway contract is underway with delivery of the first cutaways expected in FY 2017.

SIGNIFICANT CHANGE FROM FY 2016 - 21 CTP: Project cost increased by \$12.8M due to the addition of FY 2022.

USAGE: In FY 2016 Demand Response Mobility annual ridership was 1.9 million.

<u>POTENTIAL FUNDING SOURCE:</u>		<input checked="" type="checkbox"/> SPECIAL		<input checked="" type="checkbox"/> FEDERAL		<input type="checkbox"/> GENERAL		<input type="checkbox"/> OTHER			
PHASE	TOTAL		CURRENT YEAR	BUDGET YEAR	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE	
	ESTIMATED COST (\$000)	EXPEND THRU 2016			2017	20182019....2020....		2021....	....2022....
Planning	0	0	0	0	0	0	0	0	0	0	
Engineering	0	0	0	0	0	0	0	0	0	0	
Right-of-way	0	0	0	0	0	0	0	0	0	0	
Construction	109,956	56,150	2,633	10,744	6,600	9,677	11,401	12,751	53,806	0	
Total	109,956	56,150	2,633	10,744	6,600	9,677	11,401	12,751	53,806	0	
Federal-Aid	57,044	19,160	2,106	8,064	5,280	7,741	4,493	10,200	37,884	0	



PROJECT: Central Control Center

DESCRIPTION: Construct an expanded facility to integrate the operations of Bus, Metro, and Light Rail control centers within an existing MTA building in downtown Baltimore. Facility improvements include air handling units and heating and cooling systems replacements.

PURPOSE & NEED SUMMARY STATEMENT: This project gives the MTA the ability to operate three modes from one location, while also replacing obsolete equipment. The centralized operation will enable MTA to more quickly respond to incidents and emergencies, limit disruptions, enhance passenger safety, and improve service quality.

STATE GOALS : Maryland Transportation Plan (MTP) Goals/Selection Criteria:

- | | |
|--|--|
| <input checked="" type="checkbox"/> Safety & Security | <input type="checkbox"/> Environmental Stewardship |
| <input type="checkbox"/> System Preservation | <input type="checkbox"/> Community Vitality |
| <input checked="" type="checkbox"/> Quality of Service | <input type="checkbox"/> Economic Prosperity |

EXPLANATION: The ability to monitor the operation of three modes from one location will improve on-time performance and consistency.

SMART GROWTH STATUS: Project Not Location Specific Not Subject to PFA Law

- | | |
|--|---|
| <input checked="" type="checkbox"/> Project Inside PFA | <input type="checkbox"/> Grandfathered |
| <input type="checkbox"/> Project Outside PFA | <input type="checkbox"/> Exception Will Be Required |
| <input type="checkbox"/> PFA Status Yet to Be Determined | <input type="checkbox"/> Exception Granted |

ASSOCIATED IMPROVEMENTS: None.

STATUS: The renovations were completed in FY 2016.

POTENTIAL FUNDING SOURCE:		<input checked="" type="checkbox"/> SPECIAL		<input type="checkbox"/> FEDERAL		<input type="checkbox"/> GENERAL		<input type="checkbox"/> OTHER		
PHASE	TOTAL		CURRENT YEAR	BUDGET YEAR	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
	ESTIMATED COST (\$000)	EXPEND THRU 2016			2017	20182019....2020....			....2021....	....2022....
Planning	0	0	0	0	0	0	0	0	0	0
Engineering	1,387	1,387	0	0	0	0	0	0	0	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	14,477	14,477	0	0	0	0	0	0	0	0
Total	15,864	15,864	0	0	0	0	0	0	0	0
Federal-Aid	0	0	0	0	0	0	0	0	0	0

SIGNIFICANT CHANGE FROM FY 2016 - 21 CTP: None.



PROJECT: Closed Circuit Television (CCTV) Improvements

DESCRIPTION: Installation of CCTV equipment in stations and maintenance facilities in four phases:

- Phase I - 1 Light Rail and 10 Metro locations
- Phase II - 5 Light Rail, 1 MARC, and 4 Metro Stations as well as the Metro Portal
- Phase III - 6 Light Rail, 4 MARC, and 6 Metro Stations as well as an administrative complex
- Phase IV - 7 Light Rail, 10 MARC Stations, and 1 Metro location

PURPOSE & NEED SUMMARY STATEMENT: The CCTV system will provide effective surveillance of MTA stations and maintenance facilities for Homeland Security-related purposes. Sites are prioritized on a systemwide threat vulnerability assessment.

STATE GOALS : Maryland Transportation Plan (MTP) Goals/Selection Criteria:

- Safety & Security
- System Preservation
- Quality of Service
- Environmental Stewardship
- Community Vitality
- Economic Prosperity

SMART GROWTH STATUS: Project Not Location Specific Not Subject to PFA Law

- Project Inside PFA
- Project Outside PFA
- PFA Status Yet to Be Determined
- Grandfathered
- Exception Will Be Required
- Exception Granted

ASSOCIATED IMPROVEMENTS:

Homeland Security - Line 7

EXPLANATION: This project enhances surveillance capabilities to improve safety.

STATUS: Phases I, II, and III are complete. Construction of Phase IV was completed in FY 2016.

SIGNIFICANT CHANGE FROM FY 2016 - 21 CTP: None.

POTENTIAL FUNDING SOURCE: <input checked="" type="checkbox"/> SPECIAL <input checked="" type="checkbox"/> FEDERAL <input type="checkbox"/> GENERAL <input type="checkbox"/> OTHER											
PHASE	TOTAL		CURRENT YEAR	BUDGET YEAR	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE	
	ESTIMATED COST (\$000)	EXPEND THRU 2016			2017	20182019.....2020.....		2021.....	.....2022.....
Planning	0	0	0	0	0	0	0	0	0	0	
Engineering	30	30	0	0	0	0	0	0	0	0	
Right-of-way	0	0	0	0	0	0	0	0	0	0	
Construction	28,266	28,266	0	0	0	0	0	0	0	0	
Total	28,296	28,296	0	0	0	0	0	0	0	0	
Federal-Aid	10,156	10,156	0	0	0	0	0	0	0	0	



PROJECT: Southern Maryland Commuter Bus Initiative

DESCRIPTION: Construction of Southern Maryland Commuter Bus Park and Ride lots at Waldorf.

PURPOSE & NEED SUMMARY STATEMENT: Southern Maryland is one of the fastest growing regions in Maryland. The project will assist in keeping up with demand for commuter park and ride facilities which continues to grow as more people move into the region.

SMART GROWTH STATUS: Project Not Location Specific Not Subject to PFA Law

- Project Inside PFA
- Project Outside PFA
- PFA Status Yet to Be Determined
- Grandfathered
- Exception Will Be Required
- Exception Granted

ASSOCIATED IMPROVEMENTS:
None.

STATE GOALS : Maryland Transportation Plan (MTP) Goals/Selection Criteria:

- Safety & Security
- System Preservation
- Quality of Service
- Environmental Stewardship
- Community Vitality
- Economic Prosperity

EXPLANATION: This effort supports multiple parking expansion projects for Southern Maryland Commuter Bus services, addressing demand for increased commuter parking.

STATUS: Waldorf construction was completed in FY 2016.

POTENTIAL FUNDING SOURCE:		<input checked="" type="checkbox"/> SPECIAL		<input checked="" type="checkbox"/> FEDERAL		<input type="checkbox"/> GENERAL		<input type="checkbox"/> OTHER			
PHASE	TOTAL		CURRENT YEAR	BUDGET YEAR	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE	
	ESTIMATED COST (\$000)	EXPEND THRU 2016			2017	20182019.....2020.....		2021.....	.....2022.....
Planning	597	597	0	0	0	0	0	0	0	0	0
Engineering	1,259	1,259	0	0	0	0	0	0	0	0	0
Right-of-way	2,068	2,068	0	0	0	0	0	0	0	0	0
Construction	6,583	6,481	102	0	0	0	0	0	102	0	0
Total	10,507	10,405	102	0	0	0	0	0	102	0	0
Federal-Aid	8,310	8,310	0	0	0	0	0	0	0	0	0

SIGNIFICANT CHANGE FROM FY 2016 - 21 CTP: Project cost decreased by \$9.8M due to the completion and removal of the Dunkirk project.

USAGE: In FY 2016 Commuter Bus annual ridership was 3.9 million.



PROJECT: Locally Operated Transit Systems Capital Procurement Projects (Local Jurisdictions)

DESCRIPTION: Funding to rural and small urban jurisdictions for transit vehicles, equipment, and facilities. In addition, the MTA provides rideshare funds to Baltimore City, Anne Arundel, Baltimore, Calvert, Carroll, Frederick, Harford, Howard, Montgomery and Prince George's Counties, and the Tri-County Council for Southern Maryland to promote the use of carpools and vanpools. MTA facilitates federal funds for locally-sponsored projects.

JUSTIFICATION: Intense use of equipment and increased service demand requires regular vehicle replacement and expansion as well as adequate support facilities providing reliable maintenance service. The ridesharing program provides citizens with information on expanded commute options and provides companies with technical expertise needed to meet federal clean air requirements.

SMART GROWTH STATUS: Project Not Location Specific Not Subject to PFA Law

- Project Inside PFA
- Project Outside PFA
- PFA Status Yet to Be Determined
- Grandfathered
- Exception Will Be Required
- Exception Granted

ASSOCIATED IMPROVEMENTS:

- Montgomery County Local Bus Program - Line 25
- Prince George's County Local Bus Program - Line 26
- Locally Operated Transit Systems - Line 46

STATUS: Funds are awarded based on an annual application cycle.

SIGNIFICANT CHANGE FROM FY 2016 - 21 CTP: Project cost increased by \$14.4M due to the addition of FY 2022.

POTENTIAL FUNDING SOURCE:										
<input checked="" type="checkbox"/> SPECIAL <input checked="" type="checkbox"/> FEDERAL <input type="checkbox"/> GENERAL <input type="checkbox"/> OTHER										
PHASE	TOTAL		CURRENT YEAR	BUDGET YEAR	PROJECTED CASH REQUIREMENTS				SIX YEAR TOTAL	BALANCE TO COMPLETE
	ESTIMATED COST (\$000)	EXPEND THRU 2016			FOR PLANNING PURPOSES ONLY2019.....2020.....2021.....			.....2022.....
Planning	135	135	0	0	0	0	0	0	0	0
Engineering	37,507	26,628	3,129	1,550	1,550	1,550	1,550	1,550	10,879	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	228,952	122,394	13,687	13,717	22,006	21,610	22,736	12,802	106,558	0
Total	266,594	149,157	16,816	15,267	23,556	23,160	24,286	14,352	117,437	0
Federal-Aid	224,420	124,587	13,477	12,466	20,421	20,042	21,152	12,275	99,833	0

0045, 0211, 0217, 0218, 1347, 1348, 1355, 1356, 1373, 1426, 1431, 1437, 1443, 1455, 1461, 1467



PROJECT: Assistance to Private Non-Profit Agencies for the Transportation of the Elderly and Persons with Disabilities

DESCRIPTION: Federal funding is available to assist non-profit agencies with transportation for the elderly and persons with disabilities. MTA works with non-profits to apply for federal aid and meet compliance requirements.

JUSTIFICATION: Program supports the State's goal of providing transportation services to the elderly and persons with disabilities.

SMART GROWTH STATUS: Project Not Location Specific Not Subject to PFA Law

- Project Inside PFA
- Project Outside PFA
- PFA Status Yet to Be Determined
- Grandfathered
- Exception Will Be Required
- Exception Granted

ASSOCIATED IMPROVEMENTS:
Locally Operated Transit Systems - Line 46

STATUS: Funds are awarded based on a biennial application cycle.

SIGNIFICANT CHANGE FROM FY 2016 - 21 CTP: Project cost increased by \$5.0M due to the addition of FY 2022.

POTENTIAL FUNDING SOURCE:		<input checked="" type="checkbox"/> SPECIAL		<input checked="" type="checkbox"/> FEDERAL		<input type="checkbox"/> GENERAL		<input checked="" type="checkbox"/> OTHER			
PHASE	TOTAL	ESTIMATED COST (\$000)	EXPEND THRU 2016	CURRENT YEAR 2017	BUDGET YEAR 2018	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
						.....2019.....	.....2020.....	.....2021.....	.....2022.....		
Planning		0	0	0	0	0	0	0	0	0	0
Engineering		0	0	0	0	0	0	0	0	0	0
Right-of-way		0	0	0	0	0	0	0	0	0	0
Construction		60,046	30,820	1,594	5,208	6,208	6,206	5,005	5,005	29,226	0
Total		60,046	30,820	1,594	5,208	6,208	6,206	5,005	5,005	29,226	0
Federal-Aid		47,615	24,238	1,275	4,166	4,966	4,964	4,003	4,003	23,377	0



PROJECT: Montgomery County Local Bus Program

DESCRIPTION: Funding for annual bus replacements, preventive maintenance, and planning for the Montgomery County Rapid Transit System (RTS).

JUSTIFICATION: These investments will make the Ride On bus system more reliable and efficient while improving passenger access to the Metrorail system. The RTS will improve the quality of transit service and enhance connectivity throughout the County.

SMART GROWTH STATUS: Project Not Location Specific Not Subject to PFA Law

- Project Inside PFA
- Project Outside PFA
- PFA Status Yet to Be Determined
- Grandfathered
- Exception Will Be Required
- Exception Granted

ASSOCIATED IMPROVEMENTS:

Locally Operated Transit Systems Capital Procurement Projects (Local Jurisdictions) - Line 23
 Takoma-Langley Transit Center - Line 27
 Corridor Cities Transitway (CCT) - Line 35

STATUS: Funds are awarded on an annual basis for local bus replacements.

SIGNIFICANT CHANGE FROM FY 2016 - 21 CTP: Project cost increased by \$2.0M due to the addition of FY 2022.

POTENTIAL FUNDING SOURCE: <input checked="" type="checkbox"/> SPECIAL <input checked="" type="checkbox"/> FEDERAL <input type="checkbox"/> GENERAL <input type="checkbox"/> OTHER										
PHASE	TOTAL		CURRENT YEAR	BUDGET YEAR	PROJECTED CASH REQUIREMENTS				SIX YEAR TOTAL	BALANCE TO COMPLETE
	ESTIMATED COST (\$000)	EXPEND THRU 2016			FOR PLANNING PURPOSES ONLY					
			2017	2018	....2019....	....2020....	....2021....	....2022....		
Planning	7,280	700	3,580	3,000	0	0	0	0	6,580	0
Engineering	0	0	0	0	0	0	0	0	0	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	82,255	55,386	3,000	6,000	3,270	6,599	6,000	2,000	26,869	0
Total	89,535	56,086	6,580	9,000	3,270	6,599	6,000	2,000	33,449	0
Federal-Aid	16,579	11,423	2,399	0	142	100	915	1,600	5,156	0

0892, 0894, 1438, 1462



PROJECT: Prince George's County Local Bus Program

DESCRIPTION: Funding for bus replacements as well as capital improvements to bus facilities.

JUSTIFICATION: These investments will make The Bus system more reliable and convenient while improving passenger access to the Metrorail system.

SMART GROWTH STATUS: Project Not Location Specific Not Subject to PFA Law

- Project Inside PFA
- Project Outside PFA
- PFA Status Yet to Be Determined
- Grandfathered
- Exception Will Be Required
- Exception Granted

ASSOCIATED IMPROVEMENTS:

Locally Operated Transit Systems Capital Procurement Projects (Local Jurisdictions) - Line 23
Takoma-Langley Transit Center - Line 27

STATUS: Project funding will support improvements to bus stops throughout the county.

SIGNIFICANT CHANGE FROM FY 2016 - 21 CTP: None.

POTENTIAL FUNDING SOURCE: <input checked="" type="checkbox"/> SPECIAL <input checked="" type="checkbox"/> FEDERAL <input type="checkbox"/> GENERAL <input type="checkbox"/> OTHER										
PHASE	TOTAL ESTIMATED EXPEND		CURRENT YEAR	BUDGET YEAR	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
	COST (\$000)	THRU 2016			2017	20182019.....2020.....			.....2021.....	.....2022.....
Planning	0	0	0	0	0	0	0	0	0	0
Engineering	0	0	0	0	0	0	0	0	0	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	11,327	7,327	1,500	500	500	500	500	500	4,000	0
Total	11,327	7,327	1,500	500	500	500	500	500	4,000	0
Federal-Aid	2,656	1,200	1,056	0	0	0	400	0	1,456	0



PROJECT: Takoma/Langley Park Transit Center (ARRA)

DESCRIPTION: Construction of an off-street covered transit center at the intersection of MD 193 and MD 650 in the Takoma/Langley Park community. Associated SHA improvements include roadway and intersection improvements, pedestrian safety measures, and new sidewalks and crosswalks. Project includes 12 bus bays to provide service for 11 bus routes, passenger shelters, public restroom facilities, a canopy over the entire facility and transit information services. The project will accommodate a future Purple Line station.

PURPOSE & NEED SUMMARY STATEMENT: This area is the busiest bus transit transfer point in the region, with 11 Metrobus, Ride On, The Bus, and shuttle van routes. The project will also address pedestrian safety issues.

STATE GOALS : Maryland Transportation Plan (MTP) Goals/Selection Criteria:

- Safety & Security
- System Preservation
- Quality of Service
- Environmental Stewardship
- Community Vitality
- Economic Prosperity

EXPLANATION: This transit center project will expand and improve the multimodal jurisdictional bus transfer center.

SMART GROWTH STATUS: Project Not Location Specific Not Subject to PFA Law

- Project Inside PFA
- Project Outside PFA
- PFA Status Yet to Be Determined
- Grandfathered
- Exception Will Be Required
- Exception Granted

ASSOCIATED IMPROVEMENTS:

- Montgomery County Local Bus Program - Line 25
- Prince George's County Local Bus Program - Line 26
- Purple Line - Line 33
- Purple Line: Montgomery County Contributions - Line 34

STATUS: Construction is underway and scheduled to be completed in FY 2017.

SIGNIFICANT CHANGE FROM FY 2016 - 21 CTP: None.

POTENTIAL FUNDING SOURCE:		<input checked="" type="checkbox"/> SPECIAL		<input checked="" type="checkbox"/> FEDERAL		<input type="checkbox"/> GENERAL		<input checked="" type="checkbox"/> OTHER			
PHASE	TOTAL		CURRENT YEAR	BUDGET YEAR	PROJECTED CASH REQUIREMENTS				SIX YEAR TOTAL	BALANCE TO COMPLETE	
	ESTIMATED COST (\$000)	EXPEND THRU 2016			FOR PLANNING PURPOSES ONLY2019.....2020.....2021.....		2022.....
Planning	476	476	0	0	0	0	0	0	0	0	
Engineering	2,988	2,988	0	0	0	0	0	0	0	0	
Right-of-way	12,851	12,851	0	0	0	0	0	0	0	0	
Construction	18,455	18,455	0	0	0	0	0	0	0	0	
Total	34,770	34,770	0	0	0	0	0	0	0	0	
Federal-Aid	818	818	0	0	0	0	0	0	0	0	

Non-federal costs of \$11.76 million are being funded by Montgomery County (\$2.5 million), WMATA (\$6.76 million) and Prince George's County (\$2.5 million). Metropolitan Washington Council of Government's ARRA grant provides an additional \$13.31 million.



PROJECT: Fare Collection System Enhancements and Equipment Preservation

DESCRIPTION: Upgrade existing fare collection hardware and software to ensure security compliance, improve customer satisfaction, maximize return on investment on existing system, and provide on-going overhaul and replacement of system components while preparing for next generation system.

PURPOSE & NEED SUMMARY STATEMENT: As the existing fare collection system ages it is imperative that MTA upgrade software and overhaul critical system components to ensure reliable system operation.

SMART GROWTH STATUS: Project Not Location Specific Not Subject to PFA Law

- Project Inside PFA
- Project Outside PFA
- PFA Status Yet to Be Determined
- Grandfathered
- Exception Will Be Required
- Exception Granted

ASSOCIATED IMPROVEMENTS:
None.

STATE GOALS : Maryland Transportation Plan (MTP) Goals/Selection Criteria:

- Safety & Security
- System Preservation
- Quality of Service
- Environmental Stewardship
- Community Vitality
- Economic Prosperity

EXPLANATION: This project updates and preserves the equipment, ensures the ability to receive and install software security patches, and will improve customer satisfaction by ensuring system reliability.

STATUS: Operating system software and various component overhauls are underway. Specification development for system replacement is underway. Fare Collection System replacement project will be deferred to FY 2023.

SIGNIFICANT CHANGE FROM FY 2016 - 21 CTP: None

POTENTIAL FUNDING SOURCE: <input checked="" type="checkbox"/> SPECIAL <input checked="" type="checkbox"/> FEDERAL <input type="checkbox"/> GENERAL <input type="checkbox"/> OTHER										
PHASE	TOTAL				PROJECTED CASH REQUIREMENTS				SIX YEAR TOTAL	BALANCE TO COMPLETE
	ESTIMATED COST (\$000)	EXPEND THRU 2016	CURRENT YEAR 2017	BUDGET YEAR 2018	FOR PLANNING PURPOSES ONLY					
					.....2019.....	.....2020.....	.....2021.....	.....2022.....		
Planning	0	0	0	0	0	0	0	0	0	0
Engineering	165	150	15	0	0	0	0	0	15	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	61,274	4,907	4,479	2,882	3,987	1,392	1,500	2,500	16,740	39,627
Total	61,439	5,057	4,494	2,882	3,987	1,392	1,500	2,500	16,755	39,627
Federal-Aid	10,467	227	0	1,600	0	0	0	0	1,600	8,640

1329, 1429, 1459



PROJECT: Agencywide Roof Replacement

DESCRIPTION: Repair or replacement of roofs on MTA facilities.

JUSTIFICATION: Repairs are needed to stop leaks, increase energy efficiency, and extend service life.

SMART GROWTH STATUS: Project Not Location Specific Not Subject to PFA Law

- Project Inside PFA
- Project Outside PFA
- PFA Status Yet to Be Determined
- Grandfathered
- Exception Will Be Required
- Exception Granted

ASSOCIATED IMPROVEMENTS:
None.

STATUS: Washington Boulevard complex roof repairs will be complete in FY 2017. Engineering is underway for Metro roof replacement and construction will begin in FY 2017.

SIGNIFICANT CHANGE FROM FY 2016 - 21 CTP: Project cost increased by \$1.2M to fully fund this cycle of roof replacements.

POTENTIAL FUNDING SOURCE: <input checked="" type="checkbox"/> SPECIAL <input checked="" type="checkbox"/> FEDERAL <input type="checkbox"/> GENERAL <input type="checkbox"/> OTHER										
PHASE	TOTAL				PROJECTED CASH REQUIREMENTS				SIX YEAR TOTAL	BALANCE TO COMPLETE
	ESTIMATED COST (\$000)	EXPEND THRU 2016	CURRENT YEAR 2017	BUDGET YEAR 2018	FOR PLANNING PURPOSES ONLY	FOR PLANNING PURPOSES ONLY	FOR PLANNING PURPOSES ONLY	FOR PLANNING PURPOSES ONLY		
Planning	0	0	0	0	0	0	0	0	0	0
Engineering	4,533	2,752	300	481	100	100	300	500	1,781	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	24,669	7,649	1,298	2,990	2,765	3,267	2,700	4,000	17,020	0
Total	29,202	10,401	1,598	3,471	2,865	3,367	3,000	4,500	18,801	0
Federal-Aid	14,552	4,789	1,278	2,485	0	0	2,400	3,600	9,763	0



PROJECT: Agencywide Elevator and Escalator Rehabilitation

DESCRIPTION: Funding for the rehabilitation and replacement of system wide elevators and escalators that have reached the end of their useful life. Activities include bringing elevators and escalators up to current ADA and safety standards.

PURPOSE & NEED SUMMARY STATEMENT: This project will provide safety critical upgrades to the elevator and escalator infrastructure. Upgrades will also bring all elevators and escalators up to full compliance with modern ADA requirements.

STATE GOALS : Maryland Transportation Plan (MTP) Goals/Selection Criteria:

- | | |
|---|--|
| <input checked="" type="checkbox"/> Safety & Security | <input type="checkbox"/> Environmental Stewardship |
| <input checked="" type="checkbox"/> System Preservation | <input type="checkbox"/> Community Vitality |
| <input checked="" type="checkbox"/> Quality of Service | <input type="checkbox"/> Economic Prosperity |

EXPLANATION: Upgrades will minimize risk of injury to passengers utilizing elevators and escalators, while making the system more reliable and accessible.

SMART GROWTH STATUS: Project Not Location Specific Not Subject to PFA Law

- | | |
|--|---|
| <input checked="" type="checkbox"/> Project Inside PFA | <input type="checkbox"/> Grandfathered |
| <input type="checkbox"/> Project Outside PFA | <input type="checkbox"/> Exception Will Be Required |
| <input type="checkbox"/> PFA Status Yet to Be Determined | <input type="checkbox"/> Exception Granted |

ASSOCIATED IMPROVEMENTS:
None.

STATUS: Condition assessment will begin in FY 2017.

POTENTIAL FUNDING SOURCE:		<input checked="" type="checkbox"/> SPECIAL		<input checked="" type="checkbox"/> FEDERAL		<input type="checkbox"/> GENERAL		<input type="checkbox"/> OTHER			
PHASE	TOTAL		CURRENT YEAR	BUDGET YEAR	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE	
	ESTIMATED COST (\$000)	EXPEND THRU 2016			2017	20182019.....2020.....		2021.....	.....2022.....
Planning	0	0	0	0	0	0	0	0	0	0	
Engineering	100	0	100	0	0	0	0	0	100	0	
Right-of-way	0	0	0	0	0	0	0	0	0	0	
Construction	39,900	0	430	227	0	0	11,243	28,000	39,900	0	
Total	40,000	0	530	227	0	0	11,243	28,000	40,000	0	
Federal-Aid	22,298	0	0	0	0	0	0	22,298	22,298	0	

SIGNIFICANT CHANGE FROM FY 2016 - 21 CTP: Project cost increased by \$28.0M due to the addition of FY 2022.



PROJECT: Agencywide Radio and Telecommunications Upgrade

DESCRIPTION: This project will migrate all MTA radio users from 490 MHz to the MD FiRST Statewide 700 MHz Radio Communications System. This includes upgrading the current MD FiRST Baltimore cell with additional channel capacity to safely accommodate the additional MTA users, installation of new dispatching consoles, and installation of new subscriber radios.

PURPOSE & NEED SUMMARY STATEMENT: The 490 MHz network will no longer be useable beginning in FY 2022 due to Federal Law 112-96, which requires all 490 MHz users to move to an alternate spectrum by January 1, 2022. This project will migrate all radio users to the MD FiRST Statewide 700 MHz Radio System. MTA will be joining the Maryland Statewide network.

STATE GOALS : Maryland Transportation Plan (MTP) Goals/Selection Criteria:

- Safety & Security
- System Preservation
- Quality of Service
- Environmental Stewardship
- Community Vitality
- Economic Prosperity

EXPLANATION: The MTA must migrate to the current system to continue the availability of radio communication which is required to ensure safe operation.

SMART GROWTH STATUS: Project Not Location Specific Not Subject to PFA Law

- Project Inside PFA
- Project Outside PFA
- PFA Status Yet to Be Determined
- Grandfathered
- Exception Will Be Required
- Exception Granted

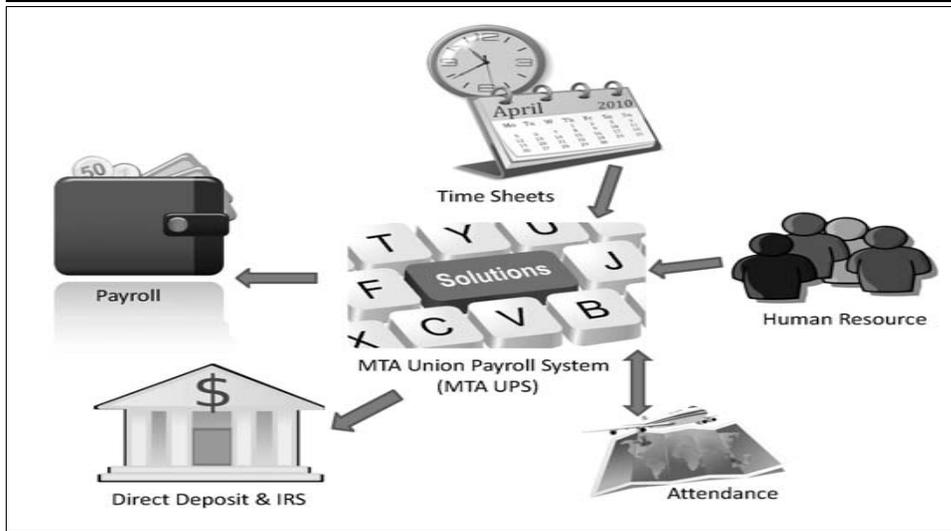
ASSOCIATED IMPROVEMENTS:

None.

STATUS: Coordination with DoIT and MD FiRST is underway.

SIGNIFICANT CHANGE FROM FY 2016 - 21 CTP: Project cost increased by \$1.5M to fully fund the construction.

POTENTIAL FUNDING SOURCE: <input checked="" type="checkbox"/> SPECIAL <input type="checkbox"/> FEDERAL <input type="checkbox"/> GENERAL <input type="checkbox"/> OTHER										
PHASE	TOTAL		CURRENT YEAR	BUDGET YEAR	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
	ESTIMATED COST (\$000)	EXPEND THRU 2016			2017	20182019.....2020.....			.....2021.....	.....2022.....
Planning	0	0	0	0	0	0	0	0	0	0
Engineering	600	45	555	0	0	0	0	0	555	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	29,580	0	734	6,524	8,857	6,334	5,631	1,500	29,580	0
Total	30,180	45	1,289	6,524	8,857	6,334	5,631	1,500	30,135	0
Federal-Aid	0	0	0	0	0	0	0	0	0	0



PROJECT: Union Payroll System

DESCRIPTION: Procure a new system for the Union Payroll, Benefits, and Human Resources functions.

PURPOSE & NEED SUMMARY STATEMENT: An updated payroll, benefits, and human resources system will allow MTA to adopt industry best practices.

STATE GOALS : Maryland Transportation Plan (MTP) Goals/Selection Criteria:

- Safety & Security
- System Preservation
- Quality of Service
- Environmental Stewardship
- Community Vitality
- Economic Prosperity

EXPLANATION: The current Union Payroll system has reached the end of its useful life. A modern system will allow MTA to achieve efficiencies between the human resources and payroll systems.

SMART GROWTH STATUS: Project Not Location Specific Not Subject to PFA Law

- Project Inside PFA
- Project Outside PFA
- PFA Status Yet to Be Determined
- Grandfathered
- Exception Will Be Required
- Exception Granted

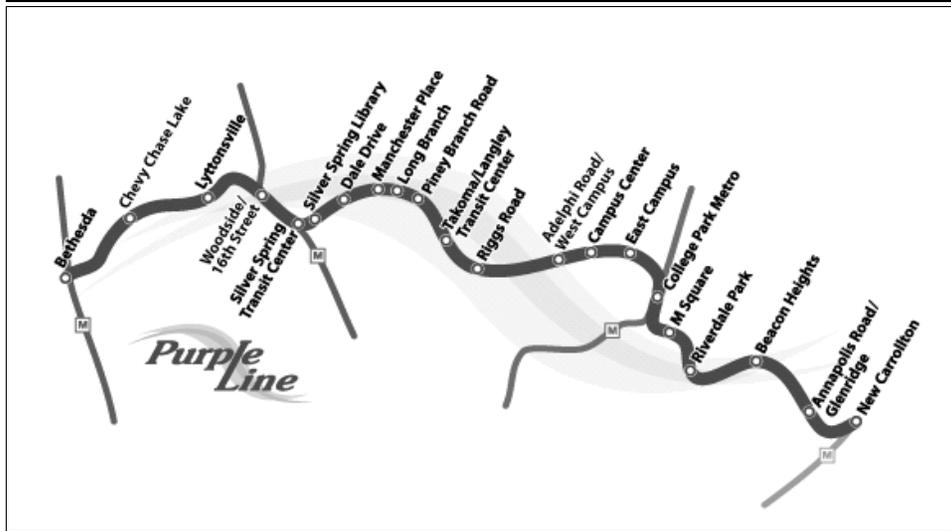
ASSOCIATED IMPROVEMENTS:

None.

STATUS: Specification development underway.

<u>POTENTIAL FUNDING SOURCE:</u> <input checked="" type="checkbox"/> SPECIAL <input type="checkbox"/> FEDERAL <input type="checkbox"/> GENERAL <input type="checkbox"/> OTHER										
PHASE	TOTAL		CURRENT YEAR	BUDGET YEAR	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
	ESTIMATED COST (\$000)	EXPEND THRU 2016			2017	20182019.....2020.....			.....2021.....	.....2022.....
Planning	0	0	0	0	0	0	0	0	0	0
Engineering	679	382	297	0	0	0	0	0	297	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	11,272	239	840	2,500	693	7,000	0	0	11,033	0
Total	11,951	621	1,137	2,500	693	7,000	0	0	11,330	0
Federal-Aid	0	0	0	0	0	0	0	0	0	0

SIGNIFICANT CHANGE FROM FY 2016 - 21 CTP: None.



PROJECT: Purple Line

DESCRIPTION: The Purple Line is a 16-mile double track light rail line that will operate between Bethesda in Montgomery County and New Carrollton in Prince George's County. The Bethesda to Silver Spring segment will include a parallel hiker/biker trail. The line will include direct connections to Metrorail in four locations, all three MARC Train lines, and Amtrak. The project includes track, stations, railcars, and two operation and maintenance facilities.

PURPOSE & NEED SUMMARY STATEMENT: The Purple Line will provide faster, more reliable transportation between residential and major employment areas. It will enhance access to existing radial Metrorail lines, increase capacity of congested roadways, support economic development consistent with local master plans, and reduce environmental impacts.

SMART GROWTH STATUS: Project Not Location Specific Not Subject to PFA Law

Project Inside PFA Grandfathered
 Project Outside PFA Exception Will Be Required
 PFA Status Yet to Be Determined Exception Granted

ASSOCIATED IMPROVEMENTS:

Takoma/Langley Park Transit Center - Line 27
 Purple Line: Montgomery County Funded Projects - Line 34

STATE GOALS : Maryland Transportation Plan (MTP) Goals/Selection Criteria:

- Safety & Security
- System Preservation
- Quality of Service
- Environmental Stewardship
- Community Vitality
- Economic Prosperity

EXPLANATION: The Purple Line will serve a corridor that currently lacks rail transit service and includes important commercial, institutional, and residential communities. Electrically powered trains will reduce air pollution and greenhouse gas emissions associated with cars and buses. Transit travel times in corridor will be reduced compared to No Build.

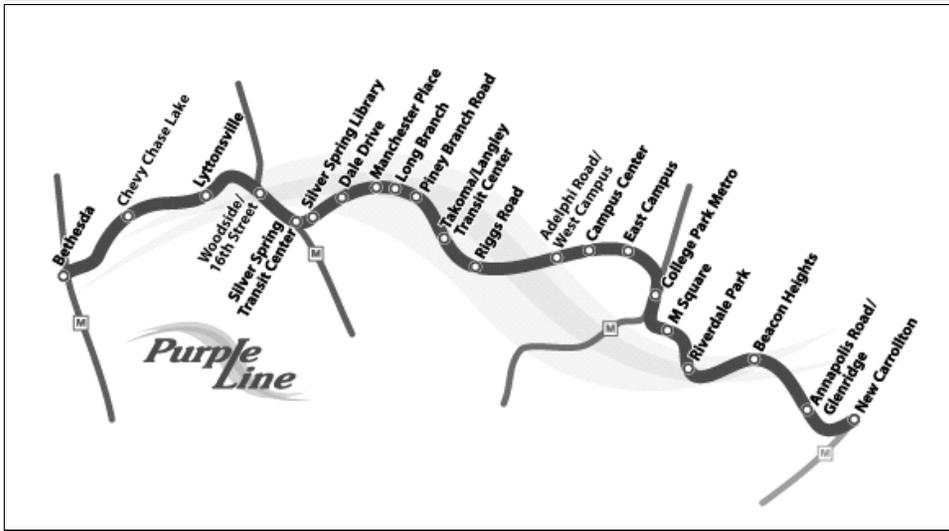
STATUS: Selected Purple Line Transit Partners as the concessionaire reaching financial close April 2016. Anticipate the Full Funding Grant Agreement with the Federal Transit Administration in FY 2017.

POTENTIAL FUNDING SOURCE:		<input checked="" type="checkbox"/> SPECIAL		<input checked="" type="checkbox"/> FEDERAL		<input type="checkbox"/> GENERAL		<input checked="" type="checkbox"/> OTHER			
PHASE	TOTAL ESTIMATED COST (\$000)	EXPEND THRU 2016	CURRENT YEAR 2017	BUDGET YEAR 2018	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE	
					.....2019.....	.....2020.....	.....2021.....	.....2022.....		
Planning	53,007	53,007	0	0	0	0	0	0	0	0	
Engineering	182,553	182,553	0	0	0	0	0	0	0	0	
Right-of-way	229,600	38,735	102,650	85,901	2,314	0	0	0	190,865	0	
Construction	1,015,124	73,907	345,195	254,083	180,054	42,139	11,040	78,685	911,196	30,021	
Total	1,480,284	348,202	447,845	339,984	182,368	42,139	11,040	78,685	1,102,061	30,021	
Federal-Aid	960,432	81,541	247,314	164,577	130,000	125,000	120,000	92,000	878,891	0	

SIGNIFICANT CHANGE FROM FY 2016 - 21 CTP: The prior CTP was based on engineer's estimates for the design-build portion of the P3 contract. The current CTP is reflective of actual pricing proposed. The distribution of costs between the transit facility and the Third-Party portion of the work was affected and this page reflects increased costs of \$18.1M. Right-of-way costs have been revised as have the state-retained engineering costs. Funding for project costs includes federal funds, local contributions, special funds, and private investment, including an \$874.6M TIFIA loan, through a public-private partnership to design, build, finance, operate, and maintain the project.

USAGE: Daily ridership estimated at 72,000 in 2040.

Note: Total estimated cost does not include investments by concessionaire or future availability payments.



PROJECT: Purple Line: Third-Party Funded Projects

DESCRIPTION: Montgomery County has elected to fund a program of projects that will be implemented through and associated with the Purple Line. Projects include a new southern entrance to the Bethesda Red Line station, Capital Crescent Trail, and the Silver Spring Green Trail along Wayne Avenue.

PURPOSE & NEED SUMMARY STATEMENT: To further enhance the transportation and quality of life benefits of the Purple Line and Capital Crescent Trail, Montgomery County is adding additional access features.

STATE GOALS : Maryland Transportation Plan (MTP) Goals/Selection Criteria:

- Safety & Security
- System Preservation
- Quality of Service
- Environmental Stewardship
- Community Vitality
- Economic Prosperity

EXPLANATION: The Purple Line will serve a corridor that currently lacks rail transit service and includes important commercial, institutional, and residential communities. Electrically powered trains will reduce air pollution and greenhouse gas emissions associated with cars and buses. Transit travel times in corridor will be reduced.

SMART GROWTH STATUS: Project Not Location Specific Not Subject to PFA Law

- Project Inside PFA
- Project Outside PFA
- PFA Status Yet to Be Determined
- Grandfathered
- Exception Will Be Required
- Exception Granted

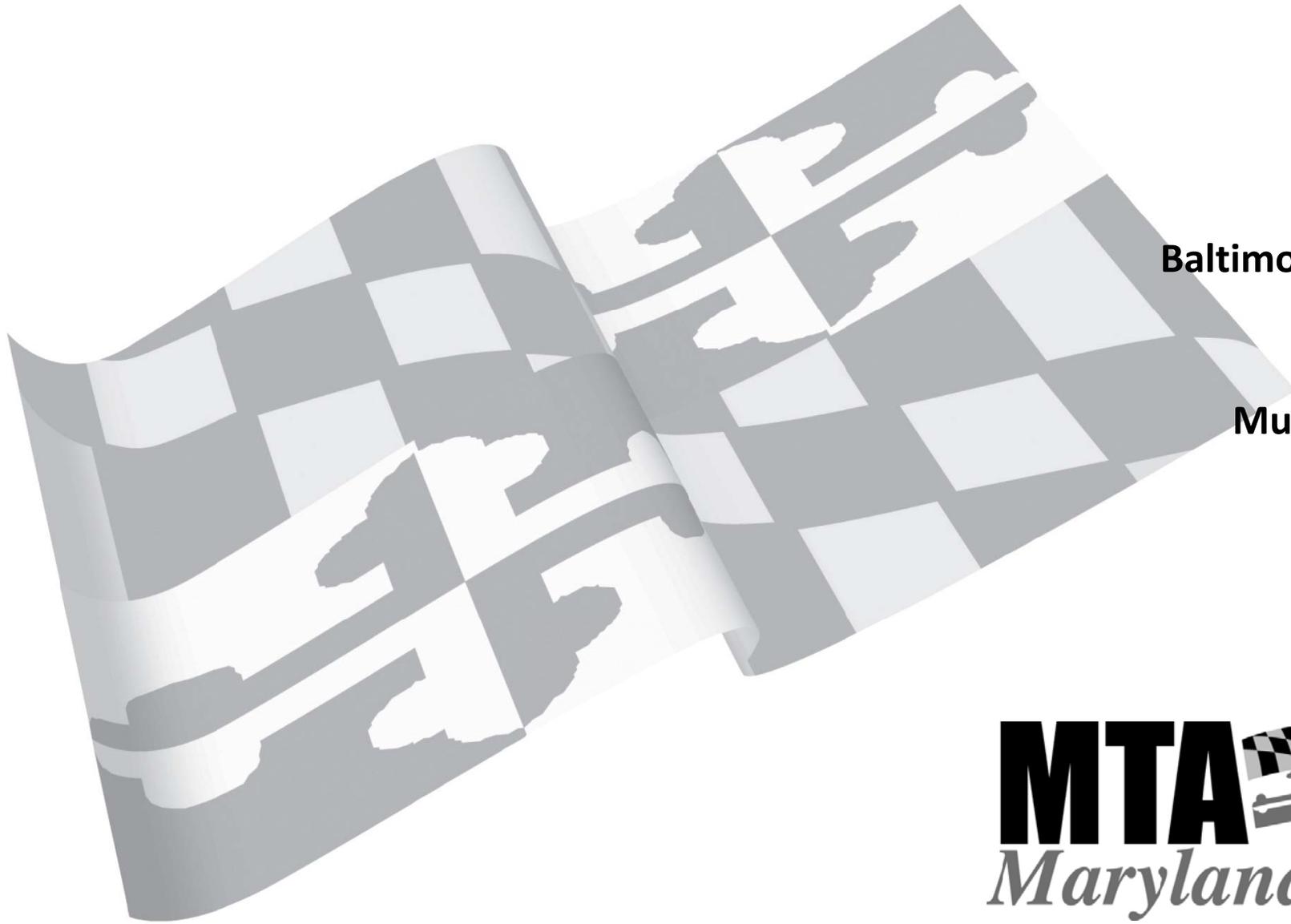
ASSOCIATED IMPROVEMENTS:

- Takoma/Langley Park Transit Center - Line 27
- Purple Line - Line 33

STATUS: Planning and design activities underway.

POTENTIAL FUNDING SOURCE:		<input type="checkbox"/> SPECIAL		<input type="checkbox"/> FEDERAL		<input type="checkbox"/> GENERAL		<input checked="" type="checkbox"/> OTHER			
PHASE	TOTAL		CURRENT YEAR	BUDGET YEAR	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE	
	ESTIMATED COST (\$000)	EXPEND THRU 2016			2017	20182019.....2020.....		2021.....	.....2022.....
Planning	0	0	0	0	0	0	0	0	0	0	0
Engineering	0	0	0	0	0	0	0	0	0	0	0
Right-of-way	0	0	0	0	0	0	0	0	0	0	0
Construction	156,410	0	28,748	28,828	34,435	36,853	15,548	11,856	156,268	142	
Total	156,410	0	28,748	28,828	34,435	36,853	15,548	11,856	156,268	142	
Federal-Aid	0	0	0	0	0	0	0	0	0	0	

SIGNIFICANT CHANGE FROM FY 2016 - 21 CTP: The prior CTP was based on engineer's estimates for the design-build portion of the P3 contract. The current CTP is reflective of actual pricing proposed. The distribution of costs between the transit facility and the Third-Party portion of the work was affected and this page reflects reduced costs of \$30.0M.



MARC

Light Rail

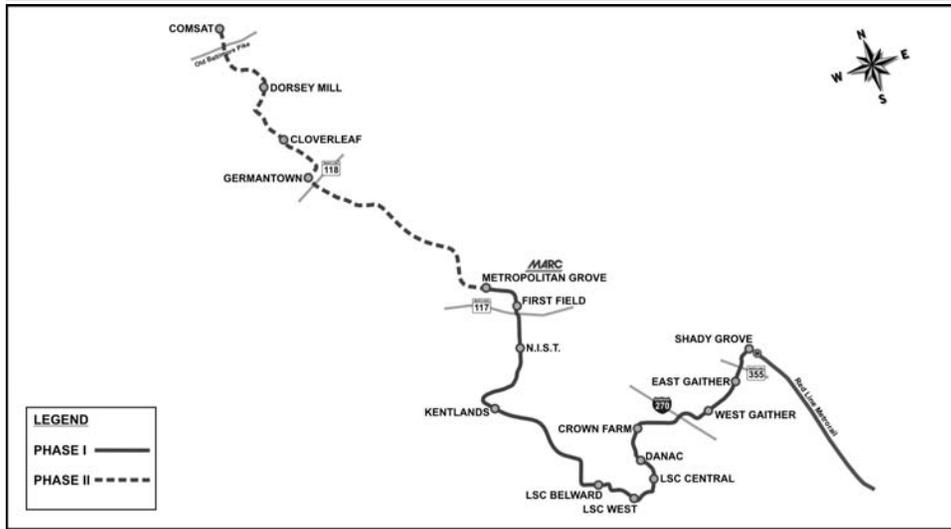
Baltimore Metro

Bus

Multi-Modal



MTA DEVELOPMENT & EVALUATION PROGRAM



PROJECT: Corridor Cities Transitway (CCT)

DESCRIPTION: The CCT is a 16-mile bus rapid transit line between Shady Grove Metrorail Station and the former COMSAT facility in Montgomery County. The line would be constructed in two phases: from Shady Grove to Metropolitan Grove and from Metropolitan Grove to COMSAT. The project includes a grade separated busway, stations, rapid transit vehicles, and a maintenance facility.

JUSTIFICATION: The CCT will provide faster, more direct transportation between residential and major employment areas in the I-270 corridor. It will enhance access to Shady Grove station and employment areas, increase capacity of congested roadways, support economic development consistent with local master plans, and reduce environmental impacts.

SMART GROWTH STATUS: Project Not Location Specific Not Subject to PFA Law

Project Inside PFA Grandfathered
 Project Outside PFA Exception Will Be Required
 PFA Status Yet to Be Determined Exception Granted

ASSOCIATED IMPROVEMENTS:

- Montgomery County Local Bus Program - Line 25
- SHA-M-1 - I-270/Watkins Mill Road Extended
- SHA-F-8/M-13 - I-270 and US 15 Corridor Study (D&E)
- SHA-F-9 - MD 85 (D&E)

STATUS: Completion of 30% design of Phase 1 occurred November 2015. Coordination with stakeholders and corridor preservation continues for Phase 2. Project funding will be deferred to FY 2023.

SIGNIFICANT CHANGE FROM FY 2016 - 21 CTP: None.

POTENTIAL FUNDING SOURCE:		<input checked="" type="checkbox"/> SPECIAL		<input checked="" type="checkbox"/> FEDERAL		<input type="checkbox"/> GENERAL		<input type="checkbox"/> OTHER			
PHASE	TOTAL		CURRENT YEAR	BUDGET YEAR	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE	
	ESTIMATED COST (\$000)	EXPEND THRU 2016			2017	20182019.....2020.....		2021.....	.....2022.....
Planning	37,408	37,408	0	0	0	0	0	0	0	0	
Engineering	40,000	0	0	0	0	0	0	0	0	40,000	
Right-of-way	38,403	0	0	0	0	0	0	0	0	38,403	
Construction	145,000	0	0	0	0	0	0	0	0	145,000	
Total	260,811	37,408	0	0	0	0	0	0	0	223,403	
Federal-Aid	4,390	1,501	0	0	0	0	0	0	0	2,889	



PROJECT: MARC Growth and Investment Program

DESCRIPTION: Funding to plan and engineer the long-term expansion of the MARC Train System to meet the needs of Maryland commuters. Current work includes planning an design of a replacement West Baltimore Station.

JUSTIFICATION: MARC Train service is at capacity and expansion is needed to accommodate future growth in the MARC corridors.

SMART GROWTH STATUS: Project Not Location Specific Not Subject to PFA Law

Project Inside PFA Grandfathered
 Project Outside PFA Exception Will Be Required
 PFA Status Yet to Be Determined Exception Granted

ASSOCIATED IMPROVEMENTS:

- MARC Maintenance, Layover & Storage Facilities - Line 1
- MARC Improvements on Camden, Brunswick and Penn Lines - Line 2
- MARC BWI Rail Station Upgrades & Repairs - Line 6
- MARC Northeast Maintenance Facility - Line 37

STATUS: West Baltimore station engineering will begin in FY 2017.

POTENTIAL FUNDING SOURCE: <input checked="" type="checkbox"/> SPECIAL <input checked="" type="checkbox"/> FEDERAL <input type="checkbox"/> GENERAL <input type="checkbox"/> OTHER										
PHASE	TOTAL ESTIMATED EXPEND		CURRENT YEAR	BUDGET YEAR	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
	COST (\$000)	THRU 2016			2017	20182019....2020....			....2021....	....2022....
Planning	1,877	1,877	0	0	0	0	0	0	0	0
Engineering	3,266	0	0	3,266	0	0	0	0	3,266	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	0	0	0	0
Total	5,143	1,877	0	3,266	0	0	0	0	3,266	0
Federal-Aid	2,434	238	0	2,196	0	0	0	0	2,196	0

SIGNIFICANT CHANGE FROM FY 2016 - 21 CTP: None.



PROJECT: MARC Northeast Maintenance Facility

DESCRIPTION: Preliminary Engineering and Environmental Assessment for a new MARC Northeast Maintenance Facility north of Baltimore. The new facility will support existing and expanded Penn Line operations at an MTA-controlled facility, enabling transfer of maintenance and layover of locomotives and rolling stock from Amtrak facilities in Baltimore and Washington. Storage of MARC equipment at an MTA-controlled facility will potentially allow contracting of maintenance functions currently performed by Amtrak.

JUSTIFICATION: The MARC Northeast Maintenance Facility project addresses the need for additional Penn Line storage, consolidates maintenance and inspection functions, supports 2035 ridership growth projections, and Amtrak's Northeast Corridor growth and planned expansion of freight and high speed rail. Expansion of Penn Line service to points north and east of Perryville is contingent upon construction of a maintenance facility north of Baltimore. Efforts are underway to evaluate additional capital improvements needed for expansion of Penn Line service in cooperation with local and regional stakeholders.

SMART GROWTH STATUS: Project Not Location Specific Not Subject to PFA Law

- Project Inside PFA
- Project Outside PFA
- PFA Status Yet to Be Determined
- Grandfathered
- Exception Will Be Required
- Exception Granted

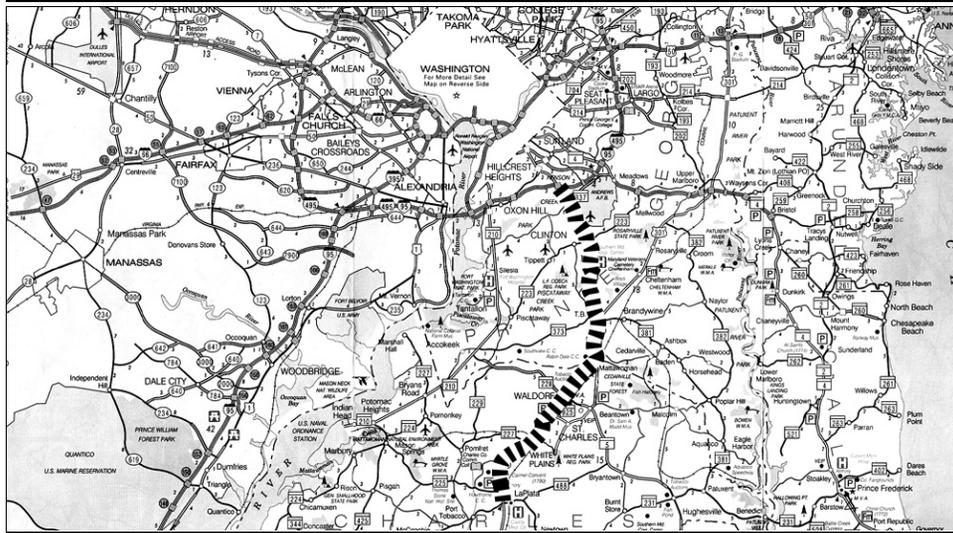
ASSOCIATED IMPROVEMENTS:

MARC Maintenance, Layover & Storage Facilities - Line 1
 MARC Growth and Investment Program - Line 36

STATUS: Project currently in Planning with transition to Engineering expected in FY 2023. Project funding will be deferred to FY 2023.

SIGNIFICANT CHANGE FROM FY 2016 - 21 CTP: None.

POTENTIAL FUNDING SOURCE:											
<input checked="" type="checkbox"/> SPECIAL <input checked="" type="checkbox"/> FEDERAL <input type="checkbox"/> GENERAL <input type="checkbox"/> OTHER											
PHASE	TOTAL				PROJECTED CASH REQUIREMENTS				SIX YEAR TOTAL	BALANCE TO COMPLETE	
	ESTIMATED COST (\$000)	EXPEND THRU 2016	CURRENT YEAR 2017	BUDGET YEAR 2018	FOR PLANNING PURPOSES ONLY	FOR PLANNING PURPOSES ONLY	FOR PLANNING PURPOSES ONLY	FOR PLANNING PURPOSES ONLY		YEAR	TO COMPLETE
Planning	4,441	4,441	0	0	0	0	0	0	0	0	0
Engineering	1,704	150	0	0	0	0	0	0	0	0	1,554
Right-of-way	6,100	0	0	0	0	0	0	0	0	0	6,100
Construction	0	0	0	0	0	0	0	0	0	0	0
Total	12,245	4,591	0	0	0	0	0	0	0	0	7,654
Federal-Aid	9,264	3,141	0	0	0	0	0	0	0	0	6,123



PROJECT: Southern Maryland Rapid Transit Study

DESCRIPTION: Planning activities to identify and protect an alignment for future development of high-capacity transit services in the US 301/MD 5 corridor from White Plains in Charles County to the Branch Avenue Metrorail Station in Prince George's County.

JUSTIFICATION: Continued growth in Southern Maryland has created high levels of traffic congestion in the US 301/MD 5 corridor. Planning is needed to determine the role of a high-capacity transit service in the corridor.

SMART GROWTH STATUS: Project Not Location Specific Not Subject to PFA Law

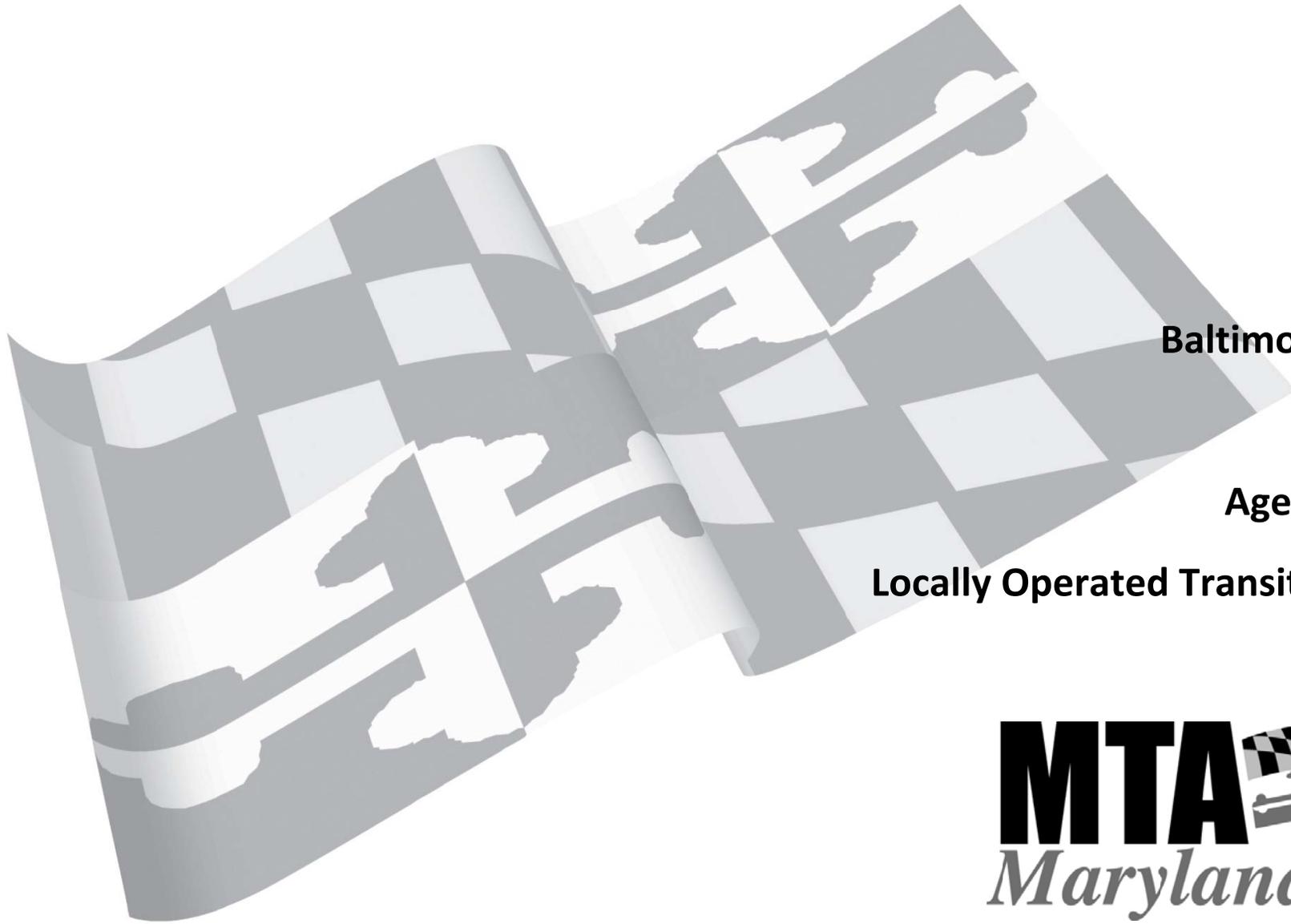
Project Inside PFA Grandfathered
 Project Outside PFA Exception Will Be Required
 PFA Status Yet to Be Determined Exception Granted

ASSOCIATED IMPROVEMENTS:
None.

STATUS: This project has been deferred to FY 2023.

SIGNIFICANT CHANGE FROM FY 2016 - 21 CTP: None.

POTENTIAL FUNDING SOURCE:		<input checked="" type="checkbox"/> SPECIAL		<input type="checkbox"/> FEDERAL		<input type="checkbox"/> GENERAL		<input type="checkbox"/> OTHER			
PHASE	TOTAL ESTIMATED COST (\$000)	EXPEND THRU 2016	CURRENT YEAR 2017	BUDGET YEAR 2018	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE	
					.....2019.....	.....2020.....	.....2021.....	.....2022.....		
Planning	6,236	3,964	272	0	0	0	0	0	272	2,000	
Engineering	0	0	0	0	0	0	0	0	0	0	
Right-of-way	0	0	0	0	0	0	0	0	0	0	
Construction	0	0	0	0	0	0	0	0	0	0	
Total	6,236	3,964	272	0	0	0	0	0	272	2,000	
Federal-Aid	0	0	0	0	0	0	0	0	0	0	



MARC

Freight

Light Rail

Baltimore Metro

Bus

Agency Wide

Locally Operated Transit Systems



MTA MINOR PROJECTS

SYSTEM PRESERVATION MINOR PROJECTS PROGRAM

MARYLAND TRANSIT ADMINISTRATION - LINE 39

ITEM NO.	DESCRIPTION AND IMPROVEMENT TYPE	TOTAL PROJECT COST (\$000's)	CONSTRUCTION START
<u>AGENCYWIDE IMPROVEMENTS -- FY 2016 COMPLETIONS</u>			
1	Baltimore Red Line (0862)	296,471	Complete
2	Bethesda Metro Entrance D&E (1269)	1,902	Complete
3	Guaranteed Ride Home (1419)	200	Complete
4	Howard Street Revitalization (1207)	6,118	Complete
5	MAXIMO (1168)	7,966	Complete
6	Police Dispatch CAD Records Management (1393)	3,965	Complete
7	Scheduling System (0513)	4,755	Complete
8	Transit Info Center Telephone Systems Update (1395)	2,698	Complete
9	Video & Security Interoperability D&E (1372)	84	Complete

SYSTEM PRESERVATION MINOR PROJECTS PROGRAM

MARYLAND TRANSIT ADMINISTRATION - LINE 39 (cont'd)

ITEM NO.	DESCRIPTION AND IMPROVEMENT TYPE	FY17 + FY18 PROJECT COST (\$000's)	CONSTRUCTION START
	<u>AGENCYWIDE IMPROVEMENTS -- FY 2017 AND 2018</u>		
10	Access Control (1213)	1,938	Ongoing
11	ADA Compliance (0266)	1,192	Ongoing
12	Asset Management (1435)	1,500	Ongoing
13	Bicycle Initiatives (1449)	650	Ongoing
14	Bridge & Tunnel Inspection and Corrosion Control Services (0608, 0752)	5,865	Ongoing
15	Capital Beltway South Side Transit Study D&E (1420)	9	Ongoing
16	Capital Program Support Fund (1239)	4,858	Ongoing
17	Communications Systems Upgrades & Support (1367)	1,554	Ongoing
18	Engineering Standards (0221)	567	Ongoing
19	Environmental Compliance (1149)	5,231	Ongoing
20	Information Technology Preservation Fund (1396)	368	Ongoing
21	Miscellaneous Planning Studies (0510)	2,842	Ongoing
22	New IT Equipment (1103)	2,105	Ongoing
23	Non-Revenue Vehicles (1079)	2,444	Ongoing
24	Owner-Controlled Insurance Program (0832)	2,889	Ongoing
25	Parking Lot Improvements (0177)	5,310	Ongoing
26	Parking Lot Inspection & Repaving (0470)	574	Ongoing
27	Police Radios (1439)	1,017	Ongoing
28	Safety and Infrastructure Improvements (1070)	549	Ongoing
29	Station Signage Improvements (0843)	8,857	Ongoing
30	Telephone Communications Systems (0493)	720	Ongoing
31	TMDL Compliance (1452)	3,420	Ongoing
32	Transit Development Plan (1442)	1,263	Ongoing
33	Transit Oriented Design Fund (1190)	592	Ongoing
34	Wicomico Demolition and Hazmat Abatement (1392)	150	Ongoing
35	Fiber Optic Connection at College Park (1486)	500	Underway
36	Rail Purchase (0660)	3,631	Underway

SYSTEM PRESERVATION MINOR PROJECTS PROGRAM

MARYLAND TRANSIT ADMINISTRATION - LINE 40

ITEM NO.	DESCRIPTION AND IMPROVEMENT TYPE	TOTAL PROJECT COST (\$000's)	CONSTRUCTION START
37	<u>BUS SYSTEM IMPROVEMENTS -- FY 2016 COMPLETIONS</u> Systemwide Improvements and Rehabilitation (1078, 1148, 1180)	5,706	Complete
38	Wash Replacement (1421)	3,148	Complete
39	Wireless LAN D&E (1210)	1,250	Complete

SYSTEM PRESERVATION MINOR PROJECTS PROGRAM

MARYLAND TRANSIT ADMINISTRATION - LINE 40 (cont'd)

ITEM NO.	DESCRIPTION AND IMPROVEMENT TYPE	FY17 + FY18 PROJECT COST (\$000's)	CONSTRUCTION START
	<p><u>BUS SYSTEM IMPROVEMENTS -- FY 2017 AND 2018</u></p>		
40	Bus Facilities Preservation Fund (0193)	7,653	Ongoing
41	Bus Hybrid Battery Replacement (1436)	1,040	Ongoing
42	Bus Lifts (1096)	3,380	Ongoing
43	Maintenance Support Improvement Fund (0554)	7,701	Ongoing

SYSTEM PRESERVATION MINOR PROJECTS PROGRAM

MARYLAND TRANSIT ADMINISTRATION - LINE 41

ITEM NO.	DESCRIPTION AND IMPROVEMENT TYPE	FY17 + FY18 PROJECT COST (\$000's)	CONSTRUCTION START
44	<u>FREIGHT IMPROVEMENTS -- FY 2017 AND 2018</u> Capital Improvement Program (0590)	7,002	Ongoing
45	Grade Crossing Rehabilitation Fund (0212)	2,925	Ongoing

SYSTEM PRESERVATION MINOR PROJECTS PROGRAM

MARYLAND TRANSIT ADMINISTRATION - LINE 42

ITEM NO.	DESCRIPTION AND IMPROVEMENT TYPE	TOTAL PROJECT COST (\$000's)	CONSTRUCTION START
46	<u>LIGHT RAIL IMPROVEMENTS -- FY 2016 COMPLETIONS</u> CCTV Wireless Infrastructure (1211)	326	Complete
47	North Ave Yard Route Push Button System (0451)	4,033	Complete

SYSTEM PRESERVATION MINOR PROJECTS PROGRAM

MARYLAND TRANSIT ADMINISTRATION - LINE 42 (cont'd)

ITEM NO.	DESCRIPTION AND IMPROVEMENT TYPE	FY17 + FY18 PROJECT COST (\$000's)	CONSTRUCTION START
<u>LIGHT RAIL IMPROVEMENTS -- FY 2017 AND 2018</u>			
48	Balance Weight Assembly (1254)	963	Ongoing
49	Drainage Improvements (0856)	5,730	Ongoing
50	Electrical Box Replacement (1187)	412	Ongoing
51	Facilities and Station Rehabilitation (0005, 1189, 1227)	4,085	Ongoing
52	Grade Crossing Repair (1048)	5,404	Ongoing
53	Interlocking Renewals Fund (1451)	700	Ongoing
54	Rail Installation (0797)	1,150	Ongoing
55	Railroad Worker Protection Equipment (1364)	200	Ongoing
56	Refurbish North Ave Carwash (1188)	366	Ongoing
57	Bridge Preservation (0248)	2,211	Underway

SYSTEM PRESERVATION MINOR PROJECTS PROGRAM

MARYLAND TRANSIT ADMINISTRATION - LINE 43

ITEM NO.	DESCRIPTION AND IMPROVEMENT TYPE	FY17 + FY18 PROJECT COST (\$000's)	CONSTRUCTION START
<u>MARC IMPROVEMENTS -- FY 2017 AND 2018</u>			
58	Miscellaneous Facility Improvements and Rehabilitation (0199)	3,185	Ongoing
59	PA/LED Signs (0430)	51	Ongoing
60	Parking Lot Improvements (1006)	1,238	Ongoing
61	Structural Inspection D&E (1376)	316	Ongoing
62	System Preservation Fund (0634)	4,425	Ongoing

SYSTEM PRESERVATION MINOR PROJECTS PROGRAM

MARYLAND TRANSIT ADMINISTRATION - LINE 44

ITEM NO.	DESCRIPTION AND IMPROVEMENT TYPE	TOTAL PROJECT COST (\$000's)	CONSTRUCTION START
63	<u>METRO IMPROVEMENTS -- FY 2016 COMPLETIONS</u> PA/LED Signs (1295)	1,805	Complete
64	Rail Fastener and Bolt Replacement (0455)	9,345	Complete

SYSTEM PRESERVATION MINOR PROJECTS PROGRAM

MARYLAND TRANSIT ADMINISTRATION - LINE 44 (cont'd)

ITEM NO.	DESCRIPTION AND IMPROVEMENT TYPE	FY17 + FY18 PROJECT COST (\$000's)	CONSTRUCTION START
<u>METRO IMPROVEMENTS -- FY 2017 AND 2018</u>			
65	Bridge & Elevated Structures Rehabilitation Fund (0239)	3,593	Ongoing
66	Miscellaneous System Preservation Improvements (0179, 1186, 1293)	5,469	Ongoing
67	Rail Installation Program (0868)	2,500	Ongoing
68	Station Emergency Telephones (1288)	4,213	Ongoing
69	Train Control Systems (0840)	4,755	Ongoing
70	Tunnel Structural Repairs (0529)	3,443	Ongoing
71	Flre Extinguishing Agent Replacement (1480)	150	Underway
72	Owings Mills Platform Rehabilitation (1413)	418	Underway
73	Third Rail Cover Board (1425)	203	Underway

SYSTEM PRESERVATION MINOR PROJECTS PROGRAM

MARYLAND TRANSIT ADMINISTRATION - LINE 45

ITEM NO.	DESCRIPTION AND IMPROVEMENT TYPE	TOTAL PROJECT COST (\$000's)	CONSTRUCTION START
74	<u>MOBILITY IMPROVEMENTS -- FY 2016 COMPLETIONS</u> Traveling Trainer Program (JARC) (1427)	338	Complete
75	Traveling Trainer Program (New Freedom) (1428)	394	Complete

SYSTEM PRESERVATION MINOR PROJECTS PROGRAM

MARYLAND TRANSIT ADMINISTRATION - LINE 45 (cont'd)

ITEM NO.	DESCRIPTION AND IMPROVEMENT TYPE	FY17 + FY18 PROJECT COST (\$000's)	CONSTRUCTION START
76	<p><u>MOBILITY IMPROVEMENTS -- FY 2017 AND 2018</u> Miscellaneous Improvements Fund (1166)</p>	2,417	Ongoing

LOCALLY OPERATED TRANSIT SYSTEMS

MARYLAND TRANSIT ADMINISTRATION -- LINE 46

ITEM NO.	DESCRIPTION AND IMPROVEMENT TYPE	TOTAL PROJECT COST (\$000's)	CONSTRUCTION START
<u>LOCALLY OPERATED TRANSIT SYSTEMS</u>			
<u>ALLEGANY COUNTY FY 2016 COMPLETIONS</u>			
1	2 Small Buses	130	Complete
2	Preventative Maintenance	321	Complete
<u>ANNAPOLIS FY 2016 COMPLETIONS</u>			
1	5 Radios	4	Complete
2	Bike Racks	12	Complete
3	Bus Wash Rehabilitation	327	Complete
4	Facility Cameras and Lighting	74	Complete
5	Facility HVAC Rehabilitation	174	Complete
6	Operations Control Center	89	Complete
7	Preventive Maintenance	180	Complete
8	Preventive Maintenance	180	Complete
9	Preventive Maintenance	350	Complete
10	Tire Storage Facility	152	Complete
<u>ANNE ARUNDEL COUNTY FY 2016 COMPLETIONS</u>			
1	Ridesharing	193	Complete
<u>BALTIMORE COUNTY FY 2016 COMPLETIONS</u>			
1	BMC Ridesharing	170	Complete
<u>CALVERT COUNTY FY 2016 COMPLETIONS</u>			
1	Preventive Maintenance	34	Complete
2	Preventive Maintenance	127	Complete
3	Ridesharing	9	Complete

LOCALLY OPERATED TRANSIT SYSTEMS

MARYLAND TRANSIT ADMINISTRATION -- LINE 46 (cont'd)

ITEM NO.	DESCRIPTION AND IMPROVEMENT TYPE	TOTAL PROJECT COST (\$000's)	CONSTRUCTION START
<u>LOCALLY OPERATED TRANSIT SYSTEMS (cont'd)</u>			
<u>CARROLL COUNTY FY 2016 COMPLETIONS</u>			
1	Preventive Maintenance	200	Complete
2	Preventive Maintenance	200	Complete
<u>CECIL COUNTY FY 2016 COMPLETIONS</u>			
1	1 Security Door	6	Complete
2	Preventive Maintenance	104	Complete
<u>DORCHESTER COUNTY FY 2016 COMPLETIONS</u>			
1	3.5 Ton Jack	1	Complete
2	Preventive Maintenance	60	Complete
3	Smoke Machine	3	Complete
<u>FREDERICK COUNTY FY 2016 COMPLETIONS</u>			
1	3 Electric Buses	1,590	Complete
2	3 Small Buses	194	Complete
3	Additional Bus Funds	170	Complete
4	Additional Infrastructure Funds	70	Complete
5	Infrastructure Electric Bus	125	Complete
6	Preventive Maintenance	200	Complete
7	Preventive Maintenance	600	Complete
8	Ridesharing	123	Complete
<u>GARRETT COUNTY FY 2016 COMPLETIONS</u>			
1	Preventive Maintenance	202	Complete

LOCALLY OPERATED TRANSIT SYSTEMS

MARYLAND TRANSIT ADMINISTRATION -- LINE 46 (cont'd)

ITEM NO.	DESCRIPTION AND IMPROVEMENT TYPE	TOTAL PROJECT COST (\$000's)	CONSTRUCTION START
<u>LOCALLY OPERATED TRANSIT SYSTEMS (cont'd)</u>			
<u>HARFORD COUNTY FY 2016 COMPLETIONS</u>			
1	Portable Bus Lift	40	Complete
2	Preventive Maintenance	200	Complete
3	Preventive Maintenance	100	Complete
4	Ridesharing	88	Complete
<u>HOWARD COUNTY FY 2016 COMPLETIONS</u>			
1	Ridesharing	130	Complete
<u>MONTGOMERY COUNTY FY 2016 COMPLETIONS</u>			
1	Bus Replacement	7,000	Complete
2	Bus Replacement	7,000	Complete
3	Ridesharing	372	Complete
4	Ridesharing	372	Complete
5	Wash Area Grant - Preventive Maintenance	5,600	Complete
<u>OCEAN CITY FY 2016 COMPLETIONS</u>			
1	Preventive Maintenance	600	Complete
2	Preventive Maintenance - Money Counters	15	Complete
<u>PRINCE GEORGE'S COUNTY FY 2016 COMPLETIONS</u>			
1	Ridesharing	269	Complete
<u>QUEEN ANNE'S COUNTY FY 2016 COMPLETIONS</u>			
1	Bus Wash Facility Renovation	70	Complete
2	Preventive Maintenance	50	Complete

LOCALLY OPERATED TRANSIT SYSTEMS

MARYLAND TRANSIT ADMINISTRATION -- LINE 46 (cont'd)

ITEM NO.	DESCRIPTION AND IMPROVEMENT TYPE	TOTAL PROJECT COST (\$000's)	CONSTRUCTION START
<u>LOCALLY OPERATED TRANSIT SYSTEMS (cont'd)</u>			
<u>ST MARY'S COUNTY FY 2016 COMPLETIONS</u>			
1	24 Bus Cameras	45	Complete
2	Brake Lathe	14	Complete
3	New Bus Shelter - California P & R	12	Complete
4	Preventive Maintenance	50	Complete
<u>TALBOT COUNTY FY 2016 COMPLETIONS</u>			
1	Preventive Maintenance	69	Complete
<u>TRI-COUNTY COUNCIL FOR LOWER EASTERN SHORE FY 2016 COMPLETIONS</u>			
1	Maintenance Shop Equipment	15	Complete
2	Mobility Management	143	Complete
3	Server and Data Storage	15	Complete
<u>WASHINGTON COUNTY FY 2016 COMPLETIONS</u>			
1	Preventive Maintenance	250	Complete

LOCALLY OPERATED TRANSIT SYSTEMS

MARYLAND TRANSIT ADMINISTRATION -- LINE 46 (cont'd)

ITEM NO.	DESCRIPTION AND IMPROVEMENT TYPE	FY17 + FY18 PROJECT COST (\$000's)	CONSTRUCTION START
<u>LOCALLY OPERATED TRANSIT SYSTEMS (cont'd)</u>			
<u>ALLEGANY COUNTY FY 2017 AND 2018</u>			
1	1 Replacement Bus 12/2- Small	55	FY 2017
2	1 Replacement Bus 8/2 - Small	50	FY 2017
3	Security System for Transit Facility	8	FY 2017
4	Vehicle Cameras APC	237	FY 2017
5	Vehicle Parking Addition	12	FY 2017
6	Medium Duty under 30' Replacement 303	175	FY 2018
7	Passenger Facility Construction	350	FY 2018
8	Replacement HD Buses	380	FY 2018
9	Small Cutaway Replacement 297	65	FY 2018
10	Small Cutaway Replacement 302	75	FY 2018
11	Preventive Maintenance	350	Ongoing
12	Shop Equipment	3	Ongoing
<u>ANNAPOLIS FY 2017 AND 2018</u>			
1	Heavy duty floor jacks	9	FY 2017
2	Maintenance Shop Rehabilitation	105	FY 2017
3	Preventive Maintenance	350	FY 2017
4	Support Vehicle Replacement 76	25	FY 2017
5	40 Bus Stop Shelters	422	Underway
6	Bus Stop Lighting and Signs	220	Underway
7	Electronic Farebox System	300	Underway
8	Support Vehicle	70	Underway

LOCALLY OPERATED TRANSIT SYSTEMS

MARYLAND TRANSIT ADMINISTRATION -- LINE 46 (cont'd)

ITEM NO.	DESCRIPTION AND IMPROVEMENT TYPE	FY17 + FY18 PROJECT COST (\$000's)	CONSTRUCTION START
<u>LOCALLY OPERATED TRANSIT SYSTEMS (cont'd)</u>			
<u>ANNE ARUNDEL COUNTY FY 2017 AND 2018</u>			
1	Ridesharing	194	FY 2017
2	Ridesharing	197	FY 2018
<u>BALTIMORE CITY FY 2017 AND 2018</u>			
1	Ridesharing	80	FY 2017
2	Ridesharing	80	FY 2017
<u>BALTIMORE COUNTY FY 2017 AND 2018</u>			
1	BMC Ridesharing	171	FY 2017
2	BMC Ridesharing	170	FY 2018

LOCALLY OPERATED TRANSIT SYSTEMS

MARYLAND TRANSIT ADMINISTRATION -- LINE 46 (cont'd)

ITEM NO.	DESCRIPTION AND IMPROVEMENT TYPE	FY17 + FY18 PROJECT COST (\$000's)	CONSTRUCTION START
<u>LOCALLY OPERATED TRANSIT SYSTEMS (cont'd)</u>			
<u>CALVERT COUNTY FY 2017 AND 2018</u>			
1	1 Medium Replacement Bus	148	FY 2017
2	1 Small Replacement Bus	67	FY 2017
3	2 Fleet Radios	5	FY 2017
4	2 Small Replacement Buses	150	FY 2017
5	4 Medium Replacement Buses	633	FY 2017
6	Dispatch Software	32	FY 2017
7	Electronic Fareboxes	30	FY 2017
8	Electronic Fareboxes	115	FY 2017
9	Fleet Radios	37	FY 2017
10	Fleet Radios	10	FY 2017
11	In-Vehicle Camera System	50	FY 2017
12	Replacement Small Bus	67	FY 2017
13	Ridesharing	9	FY 2017
14	Scan Tools	11	FY 2017
15	D & E Transit Center	2,000	FY 2018
16	Preventive Maintenance	173	FY 2018
17	Ridesharing	9	FY 2018
18	Preventive Maintenance	173	Ongoing
<u>CAROLINE COUNTY FY 2017 AND 2018</u>			
1	Denton Parking Bus Shelter	9	Underway

LOCALLY OPERATED TRANSIT SYSTEMS

MARYLAND TRANSIT ADMINISTRATION -- LINE 46 (cont'd)

ITEM NO.	DESCRIPTION AND IMPROVEMENT TYPE	FY17 + FY18 PROJECT COST (\$000's)	CONSTRUCTION START
<u>LOCALLY OPERATED TRANSIT SYSTEMS (cont'd)</u>			
<u>CARROLL COUNTY FY 2017 AND 2018</u>			
1	2 Small Expansion Buses	122	FY 2017
2	2 Small Replacement Buses	120	FY 2017
3	6 Small Bus Replacements	366	FY 2017
4	6 Small Bus Replacements	383	FY 2017
5	Preventive Maintenance	200	FY 2018
6	Preventive Maintenance	200	Ongoing
<u>CECIL COUNTY FY 2017 AND 2018</u>			
1	2 Small Replacement Buses	152	FY 2017
2	Automated Stop Annunciator	82	FY 2017
3	Bus Wraps for Cutaway Buses	7	FY 2017
4	Mobile Radios	29	FY 2017
5	Preventive Maint	150	FY 2017
6	1 Replacement Bus 35'	226	FY 2018
7	2 Expansion 35' HD Buses	451	FY 2018
8	3 Bus Wraps	13	FY 2018
9	3 Surveillance Cameras	18	FY 2018
10	Annunciators	17	FY 2018
11	Medium duty 35' Expansion	300	FY 2018
12	Medium duty 35' Expansion	300	FY 2018
13	Mobile Radios	7	FY 2018
14	Preventive Maintenance	150	Ongoing
15	11 Tablets	7	Underway
16	North Bus Canopy Expansion	90	Underway
17	Transit Hub Study Needs	105	Underway

LOCALLY OPERATED TRANSIT SYSTEMS

MARYLAND TRANSIT ADMINISTRATION -- LINE 46 (cont'd)

ITEM NO.	DESCRIPTION AND IMPROVEMENT TYPE	FY17 + FY18 PROJECT COST (\$000's)	CONSTRUCTION START
<u>LOCALLY OPERATED TRANSIT SYSTEMS (cont'd)</u>			
<u>CENTRAL MD NON-PROFIT FY 2017 AND 2018</u>			
1	Central MD Regional Transit - VTCLI Statewide TRIP	486,842	Ongoing
2	Central MD Regional Transit (FY16/17 5310) - Mobility Management	1,139	Ongoing
3	Job Access and Reverse Commute (JARC) Program	2,382	Ongoing
4	New Freedom Program	542	Ongoing
5	Partners In Care (FY16/17 5310) - Mobility Management	294	Ongoing
<u>CHARLES COUNTY FY 2017 AND 2018</u>			
1	1 Expansion Bus	148	FY 2017
2	3 Medium Replacement Buses	466	FY 2017
3	3 Small Cutaway Replacement Buses	227	FY 2017
4	4 GenFare Fareboxes	60	FY 2017
5	4 Replacement Buses	592	FY 2017
6	Onboard Security Camera System	138	FY 2017
7	Preventive Maintenance	227	FY 2017
8	Rt 301 P & R Improvements	100	FY 2017
9	Small Cutaway CS46	67	FY 2017
10	Small Cutaway CS57	67	FY 2017
11	Preventive Maint	227	FY 2018
12	Shelter and Bus Stop Improvements	50	FY 2018
13	Preventive Maintenance	227	Ongoing
14	Feasibility Study Phase II	300	Underway

LOCALLY OPERATED TRANSIT SYSTEMS

MARYLAND TRANSIT ADMINISTRATION -- LINE 46 (cont'd)

ITEM NO.	DESCRIPTION AND IMPROVEMENT TYPE	FY17 + FY18 PROJECT COST (\$000's)	CONSTRUCTION START
<u>LOCALLY OPERATED TRANSIT SYSTEMS (cont'd)</u>			
<u>DORCHESTER COUNTY FY 2017 AND 2018</u>			
1	3 Small Cutaway Replacement Buses	210	FY 2017
2	Preventive Maintenance	75	FY 2017
3	Safety Cabinet	1	FY 2017
4	Small Cutaway 155	68	FY 2017
5	Small Cutaway 157	68	FY 2017
6	Small Cutaway 160	68	FY 2017
7	1 Medium Duty Replacement Bus	113	FY 2018
8	Preventive Maintenance	75	Ongoing
9	Circuit Tester	1	Underway
<u>EASTERN SHORE NON-PROFITS FY 2017 AND 2018</u>			
1	Delmarva Community Services - VTCLI One Call/One Click Center	500,000	Ongoing
2	Job Access and Reverse Commute (JARC) Program	47	Ongoing
3	New Freedom Program	882	Ongoing

LOCALLY OPERATED TRANSIT SYSTEMS

MARYLAND TRANSIT ADMINISTRATION -- LINE 46 (cont'd)

ITEM NO.	DESCRIPTION AND IMPROVEMENT TYPE	FY17 + FY18 PROJECT COST (\$000's)	CONSTRUCTION START
<u>LOCALLY OPERATED TRANSIT SYSTEMS (cont'd)</u>			
<u>ELDERLY/DISABLED NON-PROFITS FY 2017 AND 2018</u>			
1	Action in Maturity - 1 Small Replacement Bus	60	FY 2017
2	Appalachian Parent Assoc - 1 Small Replacement Bus	60	FY 2017
3	ARC of Northern Chesapeake Region - 2 Small Replacement Buses	120	FY 2017
4	ARC of Washington County - 1 Small Replacement Bus	60	FY 2017
5	Bayside Community Network - 1 Small Replacement Bus	60	FY 2017
6	Center for Life Enrichment - 2 Small Replacement Buses	120	FY 2017
7	Charles County Nursing and Rehabilitation - 1 Small Replacement Bus	60	FY 2017
8	Chesapeake Care Resources, Inc. - 2 Small Replacement Buses	60	FY 2017
9	Chesapeake Care Resources, Inc. - 2 Small Replacement Buses	120	FY 2017
10	Daybreak Adult Day Services - 1 Small Replacement Bus	60	FY 2017
11	Delmarva Community Transit - 1 Small Replacement Bus	60	FY 2017
12	Diakon - 1 Small Replacement Bus	60	FY 2017
13	Dorchester County Comm on Aging - 1 Small Replacement Bus	60	FY 2017
14	Dove Pointe, Inc. - 2 Small Replacement Buses	120	FY 2017
15	Easter Seals Baltimore - 2 Small Replacement Buses	120	FY 2017
16	Easter Seals Hagerstown - 1 Small Replacement Bus	60	FY 2017
17	Family & Children's Services of Central MD - 1 Small Expansion Bus	60	FY 2017
18	Freedom Landing - 1 Small Replacement Bus	60	FY 2017
19	Freedom Landing - 1 Expansion Minivan	40	FY 2017
20	Friends Aware - 1 Small Replacement Bus	60	FY 2017
21	Hopkins Elder Plus - 2 Small Replacement Buses	120	FY 2017
22	HUMANIM - 2 Small Replacement Buses	120	FY 2017
23	LifeBridge Health - Equipment	72	FY 2017
24	LifeBridge Health - 1 Small Expansion Bus	60	FY 2017
25	LifeBridge Health - 2 Small Replacement Buses	120	FY 2017

LOCALLY OPERATED TRANSIT SYSTEMS

MARYLAND TRANSIT ADMINISTRATION -- LINE 46 (cont'd)

ITEM NO.	DESCRIPTION AND IMPROVEMENT TYPE	FY17 + FY18 PROJECT COST (\$000's)	CONSTRUCTION START
<u>LOCALLY OPERATED TRANSIT SYSTEMS (cont'd)</u>			
<u>ELDERLY/DISABLED NON-PROFITS FY 2017 AND 2018 (cont'd)</u>			
26	Lifestyles, Inc. - 1 Small Expansion Bus	60	FY 2017
27	Lower Shore Enterprises - 2 Small Replacement Buses	120	FY 2017
28	Progress Unlimited, Inc. - 2 Small Expansion Buses	120	FY 2017
29	Providence Center - Equipment	53	FY 2017
30	Spring Dell - 2 Small Replacement Buses	120	FY 2017
31	Star Community - 1 Small Replacement Bus	60	FY 2017
32	The League for People with Disabilities - 2 Small Expansion Buses	120	FY 2017
33	Unified Community Connections - 1 Small Replacement Bus	60	FY 2017
34	Winter Growth - 1 Small Replacement Bus	60	FY 2017
35	Action in Maturity - Preventive Maintenance	12	Ongoing
36	Adult Day Care Corp of Calvert County - Preventive Maintenance	3	Ongoing
37	Allegany County HRDC, Inc. - Preventive Maintenance	27	Ongoing
38	Appalachian Parent Assoc - Preventive Maintenance	39	Ongoing
39	ARC of Northern Chesapeake Region - Preventive Maintenance	22	Ongoing
40	ARC of Washington County - Preventive Maintenance	15	Ongoing
41	Associated Catholic Charities - 3 Small Buses & Preventive Maintenance	198	Ongoing
42	Bayside Community Network - Preventive Maintenance	30	Ongoing
43	Center for Life Enrichment - Preventive Maintenance	33	Ongoing
44	Charles County Nursing and Rehabilitation - Preventive Maintenance	24	Ongoing
45	Chesapeake Care Resources, Inc. - Preventive Maintenance	33	Ongoing
46	Comprehensive Housing Assistance - Preventive Maintenance	3	Ongoing
47	Daybreak Adult Day Services - Preventive Maintenance	21	Ongoing
48	Diakon - Preventive Maintenance	3	Ongoing
49	Dorchester County Comm on Aging - Preventive Maintenance	17	Ongoing
50	Dove Pointe, Inc. - Preventive Maintenance	57	Ongoing

LOCALLY OPERATED TRANSIT SYSTEMS

MARYLAND TRANSIT ADMINISTRATION -- LINE 46 (cont'd)

ITEM NO.	DESCRIPTION AND IMPROVEMENT TYPE	FY17 + FY18 PROJECT COST (\$000's)	CONSTRUCTION START
<u>LOCALLY OPERATED TRANSIT SYSTEMS (cont'd)</u>			
<u>ELDERLY/DISABLED NON-PROFITS FY 2017 AND 2018 (cont'd)</u>			
51	Easter Seals Baltimore - Preventive Maintenance	24	Ongoing
52	Easter Seals Hagerstown - Preventive Maintenance	18	Ongoing
53	Freedom Landing - Preventive Maintenance	9	Ongoing
54	Friends Aware - Preventive Maintenance	42	Ongoing
55	Hopkins Elder Plus - Preventive Maintenance	53	Ongoing
56	HUMANIM - Preventive Maintenance	20	Ongoing
57	Kent Center - 1 Small Bus & Preventive Maintenance	69	Ongoing
58	Lifestyles, Inc. - Preventive Maintenance	2	Ongoing
59	Mosaic - Preventive Maintenance	56	Ongoing
60	Partners In Care - Preventive Maintenance	5	Ongoing
61	Progress Unlimited, Inc. - Preventive Maintenance	76	Ongoing
62	Shore Up! - Preventive Maintenance	12	Ongoing
63	Spring Dell - Preventive Maintenance	45	Ongoing
64	St. Mary's Nursing Center, Inc. - Preventive Maintenance	6	Ongoing
65	Star Community - Preventive Maintenance	3	Ongoing
66	The League for People with Disabilities - Preventive Maintenance	7	Ongoing
67	Unified Community Connections - Preventive Maintenance	12	Ongoing
68	Washington County HDC - Preventive Maintenance	6	Ongoing
69	Winter Growth - Preventive Maintenance	2	Ongoing
70	Worcester County Comm on Aging - Preventive Maintenance	15	Ongoing
71	Worcester County Developmental Center - Preventive Maintenance	42	Ongoing

LOCALLY OPERATED TRANSIT SYSTEMS

MARYLAND TRANSIT ADMINISTRATION -- LINE 46 (cont'd)

ITEM NO.	DESCRIPTION AND IMPROVEMENT TYPE	FY17 + FY18 PROJECT COST (\$000's)	CONSTRUCTION START
<u>LOCALLY OPERATED TRANSIT SYSTEMS (cont'd)</u>			
<u>FREDERICK COUNTY FY 2017 AND 2018</u>			
1	2 Electric Buses	1,060	FY 2017
2	APC for Buses (27)	150	FY 2017
3	AVL and Infrastructure for 27 Buses	175	FY 2017
4	Electric Bus 35920	585	FY 2017
5	Electric Bus 35922	585	FY 2017
6	Facility Update D&E	390	FY 2017
7	Gas Medium Duty 37963	125	FY 2017
8	Gas Small Cutaway 37830	67	FY 2017
9	Gas Small Cutaway 37831	67	FY 2017
10	Gas Small Cutaway 37832	67	FY 2017
11	Paratransit Software	275	FY 2017
12	Preventive Maint	700	FY 2017
13	Preventive Maint	70	FY 2017
14	Preventive Maintenance	700	Ongoing
15	Preventive Maintenance	70	Ongoing
16	Ridesharing	124	Underway

LOCALLY OPERATED TRANSIT SYSTEMS

MARYLAND TRANSIT ADMINISTRATION -- LINE 46 (cont'd)

ITEM NO.	DESCRIPTION AND IMPROVEMENT TYPE	FY17 + FY18 PROJECT COST (\$000's)	CONSTRUCTION START
<u>LOCALLY OPERATED TRANSIT SYSTEMS (cont'd)</u>			
<u>GARRETT COUNTY FY 2017 AND 2018</u>			
1	2 Small Cutaway Replacement Buses	120	FY 2017
2	3 Small Bus Replacement	180	FY 2017
3	AVL	21	FY 2017
4	On Board Cameras	75	FY 2017
5	Preventive Maint	227	FY 2017
6	Small Cutaway 172	67	FY 2017
7	Small Cutaway 176	67	FY 2017
8	Small Cutaway 181	67	FY 2017
9	two-way radio	29	FY 2017
10	Preventive Maintenance	215	Ongoing

LOCALLY OPERATED TRANSIT SYSTEMS

MARYLAND TRANSIT ADMINISTRATION -- LINE 46 (cont'd)

ITEM NO.	DESCRIPTION AND IMPROVEMENT TYPE	FY17 + FY18 PROJECT COST (\$000's)	CONSTRUCTION START
<u>LOCALLY OPERATED TRANSIT SYSTEMS (cont'd)</u>			
<u>HARFORD COUNTY FY 2017 AND 2018</u>			
1	Preventive Maintenance	325	FY 2017
2	Vehicle Video Security System	150	FY 2017
3	1 Medium Bus	198	FY 2018
4	1 Medium Replacement Bus	196	FY 2018
5	Vehicle Video Security Sys Funds	55	FY 2018
6	Preventive Maintenance	325	Ongoing
7	A/C for Training Room	15	Underway
8	AVL - Additions VLLU	40	Underway
9	AVL - Communications/Signage	165	Underway
10	AVL - IVR	60	Underway
11	AVL - Passenger Count	131	Underway
12	Bus Shelters	130	Underway
13	Bus Stop Info Signs	15	Underway
14	Bus Wash Renovation	55	Underway
15	Bus Wash Renovation	30	Underway
16	Call Center Phone	150	Underway
17	Garage Door Repair	30	Underway
18	Maintenance Equipment	17	Underway
19	Operator Trainng Room A/C Funds	25	Underway
20	Transportation Development Plan	90	Underway

LOCALLY OPERATED TRANSIT SYSTEMS

MARYLAND TRANSIT ADMINISTRATION -- LINE 46 (cont'd)

ITEM NO.	DESCRIPTION AND IMPROVEMENT TYPE	FY17 + FY18 PROJECT COST (\$000's)	CONSTRUCTION START
<u>LOCALLY OPERATED TRANSIT SYSTEMS (cont'd)</u>			
<u>HOWARD COUNTY FY 2017 AND 2018</u>			
1	Pilot Rideshare Assistance	197	FY 2017
2	Diesel Paratransit Cutaway Buses	874	FY 2018
3	Ridesharing	131	Ongoing
4	Bus IT Package	78	Underway
5	Central Maryland Operations Facility	750	Underway
6	Electric Bus Project	3,778	Underway
7	Fleet Maintenance Plan	75	Underway
8	Transportation Development Plan	90	Underway
9	Voucher Card System	142	Underway
<u>MONTGOMERY COUNTY FY 2017 AND 2018</u>			
1	Bus Replacement	2,000	FY 2017
2	Ridesharing	372	FY 2017
3	Wash Area Grant - Preventive Maintenance	5,600	FY 2017
4	Ridesharing	372	Ongoing
5	Bus Replacement	2,000	Underway

LOCALLY OPERATED TRANSIT SYSTEMS

MARYLAND TRANSIT ADMINISTRATION -- LINE 46 (cont'd)

ITEM NO.	DESCRIPTION AND IMPROVEMENT TYPE	FY17 + FY18 PROJECT COST (\$000's)	CONSTRUCTION START
<u>LOCALLY OPERATED TRANSIT SYSTEMS (cont'd)</u>			
<u>OCEAN CITY FY 2017 AND 2018</u>			
1	3 40' Bus Replacements (5339) - changed to 2 Articulated Buses	1,379	FY 2017
2	Preventive Maintenance (5311)	600	FY 2017
3	1 ADA Cutaway Bus (5339)	68	FY 2018
4	1 Heavy Duty Bus 40' (5311)	454	FY 2018
5	2 Heavy Duty Buses (5339)	935	FY 2018
6	3 Heavy Duty Buses 40' (5339)	1,362	FY 2018
7	3 Large Replacement Buses (5309)	1,362	FY 2018
8	40' Heavy Duty Bus 1648 (5311)	468	FY 2018
9	Bus Surveillance System (5339)	500	FY 2018
10	Bus Barn Fire Suppression (5309)	15	Underway
11	Transit Facility & Bus Barn D&E (5311)	1,250	Underway
<u>PRINCE GEORGE'S COUNTY FY 2017 AND 2018</u>			
1	Bus Stop Improvements	500	FY 2017
2	Ridesharing	372	FY 2017
3	Ridesharing	269	Ongoing
4	Bus Stop Improvements	500	Underway
5	Bus Stop Improvements	500	Underway
<u>QUEEN ANNE'S COUNTY FY 2017 AND 2018</u>			
1	Bus Cameras	40	FY 2017
2	Bus Canopy	20	FY 2017
3	Preventive Maintenance	65	FY 2017

LOCALLY OPERATED TRANSIT SYSTEMS

MARYLAND TRANSIT ADMINISTRATION -- LINE 46 (cont'd)

ITEM NO.	DESCRIPTION AND IMPROVEMENT TYPE	FY17 + FY18 PROJECT COST (\$000's)	CONSTRUCTION START
<u>LOCALLY OPERATED TRANSIT SYSTEMS (cont'd)</u>			
<u>SOUTHERN MD NON-PROFITS FY 2017 AND 2018</u>			
1	Job Access and Reverse Commute (JARC) Program	100	Ongoing
2	New Freedom Program	400	Ongoing
<u>ST MARY'S COUNTY FY 2017 AND 2018</u>			
1	1 Medium Replacement Bus	138	FY 2017
2	2 Medium Duty Replacement Buses	387	FY 2017
3	2 Medium Replacement Buses	233	FY 2017
4	3 30' HD Replacement Buses	414	FY 2017
5	4 Medium Replacement Buses	500	FY 2017
6	Preventive Maintenance	56	FY 2017
7	Preventive Maintenance	94	Ongoing
<u>TALBOT COUNTY FY 2017 AND 2018</u>			
1	10 Tablets / Routers / Mounts	17	FY 2017
2	2 Radios	5	FY 2017
3	Preventive Maintenance	84	FY 2017
4	2 Medium Duty Replacement Buses	223	FY 2018
5	3 Small Cutaway Buses	206	FY 2018
6	Preventive Maintenance	84	Ongoing

LOCALLY OPERATED TRANSIT SYSTEMS

MARYLAND TRANSIT ADMINISTRATION -- LINE 46 (cont'd)

ITEM NO.	DESCRIPTION AND IMPROVEMENT TYPE	FY17 + FY18 PROJECT COST (\$000's)	CONSTRUCTION START
<u>LOCALLY OPERATED TRANSIT SYSTEMS (cont'd)</u>			
<u>TRI-COUNTY COUNCIL FOR LOWER EASTERN SHORE FY 2017 AND 2018</u>			
1	2 Medium Replacement Buses	300	FY 2017
2	2 Support Vehicles	90	FY 2017
3	3 Small Cutaway Replacement Buses	210	FY 2017
4	Expansion Bus	62	FY 2017
5	Expansion Small Bus	62	FY 2017
6	Medium Bus Replacement	116	FY 2017
7	Medium Duty Bus 401	121	FY 2017
8	Medium Duty Bus 402	121	FY 2017
9	Mobility Management	143	FY 2017
10	Preventive Maint	900	FY 2017
11	Preventive Maintenance	850	FY 2017
12	Small Cutaway 45	71	FY 2017
13	Small Cutaway 46	71	FY 2017
14	Small Cutaway 70	71	FY 2017
15	Facility Construction Phase III	1,557	FY 2018
16	EAM Maintenance Software	80	Underway
17	Maintenance Shop Equipment	28	Underway
18	Passenger Amenities	75	Underway
19	Trapeze Call Back Module	16	Underway
20	Trapeze Cert. Module	16	Underway

LOCALLY OPERATED TRANSIT SYSTEMS

MARYLAND TRANSIT ADMINISTRATION -- LINE 46 (cont'd)

ITEM NO.	DESCRIPTION AND IMPROVEMENT TYPE	FY17 + FY18 PROJECT COST (\$000's)	CONSTRUCTION START
<u>LOCALLY OPERATED TRANSIT SYSTEMS (cont'd)</u>			
<u>WASHINGTON COUNTY FY 2017 AND 2018</u>			
1	1 Small Replacement Bus	74	FY 2017
2	Fuel Monitoring System	16	FY 2017
3	On-Board Surveillance Cameras	80	FY 2017
4	On-Vehicle Video Surveillance	82	FY 2017
5	Pressure Washer for Buses	13	FY 2017
6	Small Bus Replacement	70	FY 2017
7	Vehicle Lift System	47	FY 2017
8	Preventive Maintenance	285	FY 2018
9	Route Match Notification System	27	FY 2018
10	RouteMatch Fixed Route System	310	FY 2018
11	Preventive Maintenance	250	Ongoing
12	Passenger Shelter Installs	100	Underway
<u>WESTERN MD NON-PROFITS FY 2017 AND 2018</u>			
1	Job Access and Reverse Commute (JARC) Program	34	Ongoing
2	New Freedom Program	68	Ongoing
3	Washington County CAC (5310) - Mobility Management	100	Ongoing