

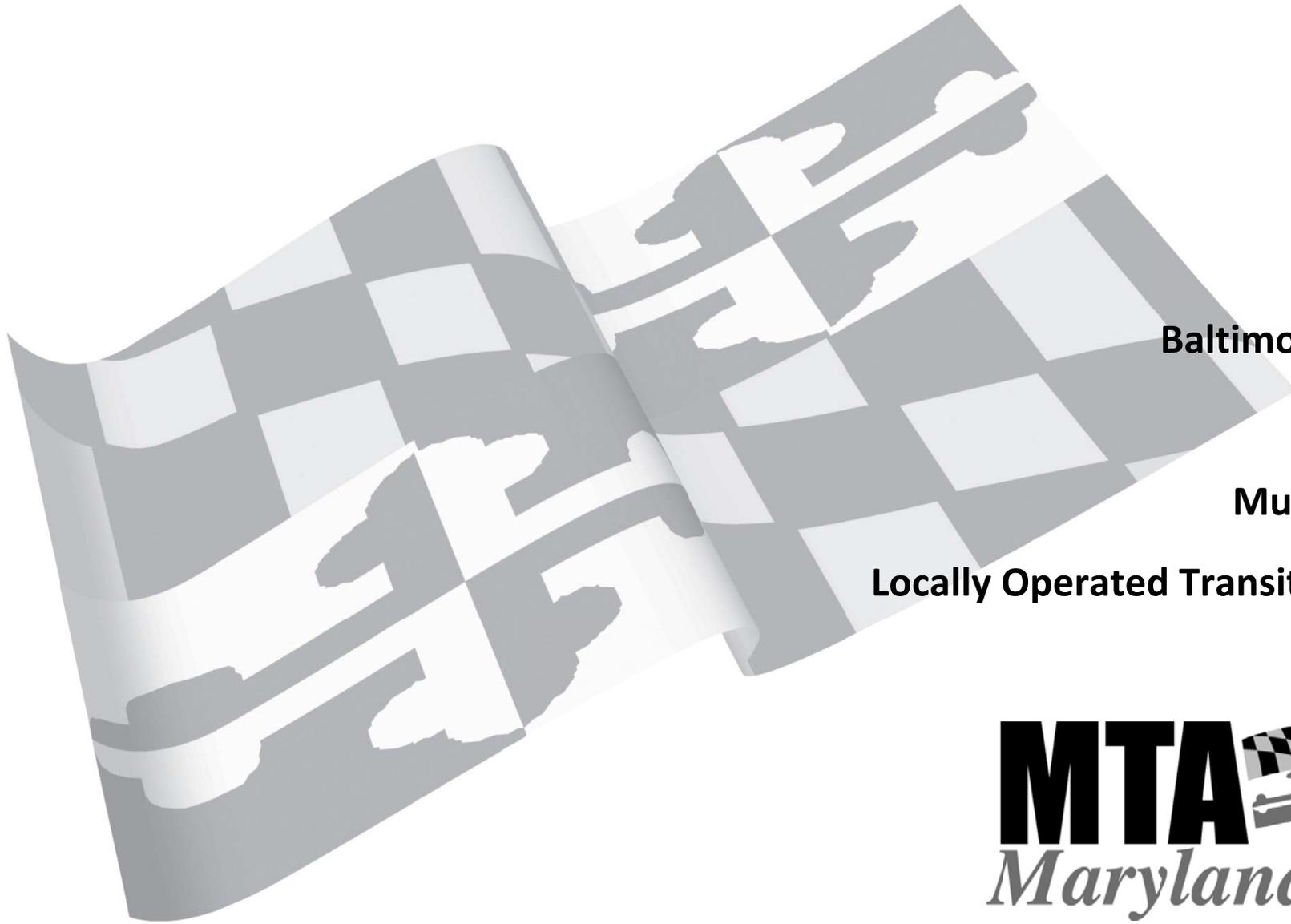
MTA 
Maryland



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	592.7	612.2	737.5	385.1	313.9	510.8	3,152.1
System Preservation Minor Projects	86.5	66.3	51.3	56.7	53.7	110.6	425.1
<u>Development & Evaluation Program</u>	<u>0.7</u>	<u>5.1</u>	<u>3.2</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>9.0</u>
SUBTOTAL	679.9	683.6	792.0	441.8	367.6	621.3	3,586.3
<u>Capital Salaries, Wages & Other Costs</u>	<u>14.1</u>	<u>13.0</u>	<u>12.5</u>	<u>12.5</u>	<u>12.5</u>	<u>12.5</u>	<u>77.1</u>
TOTAL	693.9	696.6	804.5	454.3	380.1	633.8	3,663.3
Special Funds	235.3	278.2	273.4	99.0	73.2	186.8	1,145.9
Federal Funds	400.7	356.1	460.8	283.4	289.9	354.3	2,145.2
Other Funding	57.9	62.3	70.4	71.9	17.0	92.7	372.2



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 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.

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 Growth and Investment Program - Line 37
 MARC Northeast Maintenance Facility - Line 38

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

- Safety & Security
- System Preservation
- Quality of Service
- Environmental Stewardship
- Community Vitality
- 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 and will help with maintenance inspections.

STATUS: 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 2018.

SIGNIFICANT CHANGE FROM FY 2016 - 21 CTP: Project cost decreased by \$40.5M due to the completion and removal of the Washington Mid-Day Storage Yard.

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	915	462	453	0	0	0	0	0	453	0
Engineering	1,400	796	404	200	0	0	0	0	604	0
Right-of-way	28,829	337	0	1,296	2,196	0	25,000	0	28,492	0
Construction	12,760	0	0	0	6,400	6,360	0	0	12,760	0
Total	43,904	1,595	857	1,496	8,596	6,360	25,000	0	42,309	0
Federal-Aid	29,304	500	685	1,196	6,876	47	20,000	0	28,804	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 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: 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 37

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 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	9,018	5,484	1,727	507	600	600	100	0	3,534	0	
Right-of-way	0	0	0	0	0	0	0	0	0	0	
Construction	307,717	166,352	11,362	19,736	24,934	20,949	21,100	43,284	141,365	0	
Total	316,735	171,836	13,089	20,243	25,534	21,549	21,200	43,284	144,899	0	
Federal-Aid	237,100	121,490	10,470	16,137	20,177	17,239	16,960	34,627	115,610	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 combined with cost savings on the MARC III overhaul.

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	0	0	0	0	0	0	0	0	0	0	
Engineering	1,649	505	144	0	0	1,000	0	0	1,144	0	
Right-of-way	0	0	0	0	0	0	0	0	0	0	
Construction	222,775	166,587	11,082	10,006	15,000	6,300	6,000	7,800	56,188	0	
Total	224,424	167,092	11,226	10,006	15,000	7,300	6,000	7,800	57,332	0	
Federal-Aid	170,807	124,943	8,980	8,004	12,000	5,840	4,800	6,240	45,864	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		
					.....2019.....	.....2020.....	.....2021.....	.....2022.....		
Planning	0	0	0	0	0	0	0	0	0	0
Engineering	1,222	1,031	0	0	0	191	0	0	191	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	72,294	17,458	1,500	20,000	22,733	2,493	2,110	6,000	54,836	0
Total	73,516	18,489	1,500	20,000	22,733	2,684	2,110	6,000	55,027	0
Federal-Aid	57,092	13,927	1,200	16,000	18,184	1,293	1,688	4,800	43,165	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 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	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	7,529	3,215	5,787	0	0	0	0	9,002	0	0
Total	16,555	7,553	3,215	5,787	0	0	0	0	9,002	0	0
Federal-Aid	13,212	6,011	2,572	4,629	0	0	0	0	7,201	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 37

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 2016 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	3,092	2,516	276	300	0	0	0	0	576	0	
Right-of-way	0	0	0	0	0	0	0	0	0	0	
Construction	10,278	2,213	104	2,323	5,000	638	0	0	8,065	0	
Total	13,775	5,134	380	2,623	5,000	638	0	0	8,641	0	
Federal-Aid	8,045	1,139	303	2,093	4,000	510	0	0	6,906	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

- | | |
|--|---|
| <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:
Closed Circuit Television (CCTV) Improvements - Line 21

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 |

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 \$22.2M 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				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	0	0	0	0	0	0	0	0	0	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	18,089	11,625	2,055	1,449	2,960	0	0	0	6,464	0
Total	18,089	11,625	2,055	1,449	2,960	0	0	0	6,464	0
Federal-Aid	17,906	11,607	1,890	1,449	2,960	0	0	0	6,299	0

1433, 1448, 1454, 1468, 1490



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 Line - 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 by \$1.7M to fully fund the next cycle of bridge and culvert 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 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	6,590	4,721	614	330	327	176	222	200	1,869	0
Right-of-way	60	0	60	0	0	0	0	0	60	0
Construction	20,013	11,913	538	1,272	1,810	1,480	1,500	1,500	8,100	0
Total	26,663	16,634	1,212	1,602	2,137	1,656	1,722	1,700	10,029	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				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	3,622	3,022	200	100	100	100	100	0	600	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	193,081	70,082	22,249	48,848	42,993	7,809	700	400	122,999	0
Total	196,703	73,104	22,449	48,948	43,093	7,909	800	400	123,599	0
Federal-Aid	119,090	32,109	18,140	37,643	31,198	0	0	0	86,981	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 pedestrian 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				SIX YEAR TOTAL	BALANCE TO COMPLETE	
	ESTIMATED COST (\$000)	EXPEND THRU 2016			FOR PLANNING PURPOSES ONLY2019.....2020.....2021.....		2022.....
Planning	221	221	0	0	0	0	0	0	0	0	
Engineering	6,495	1,945	1,764	786	0	0	0	2,000	4,550	0	
Right-of-way	0	0	0	0	0	0	0	0	0	0	
Construction	32,523	1,049	5,754	3,828	3,000	2,550	1,942	14,400	31,474	0	
Total	39,239	3,215	7,518	4,614	3,000	2,550	1,942	16,400	36,024	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 will start in FY 2016. Procurement for the signaling system and fleet replacement is underway.

SIGNIFICANT CHANGE FROM FY 2016 - 21 CTP: The funding in this project was reduced by \$22.8M due to agency-wide budget restrictions.

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	6,538	3,339	2,699	0	0	0	0	500	3,199	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	572,048	29,445	8,204	32,341	123,924	107,750	111,087	81,186	464,492	78,111
Total	578,586	32,784	10,903	32,341	123,924	107,750	111,087	81,686	467,691	78,111
Federal-Aid	324,191	13,301	7,474	25,357	97,995	79,357	69,993	30,714	310,890	0

0091, 1281, 1321, 1415, 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:

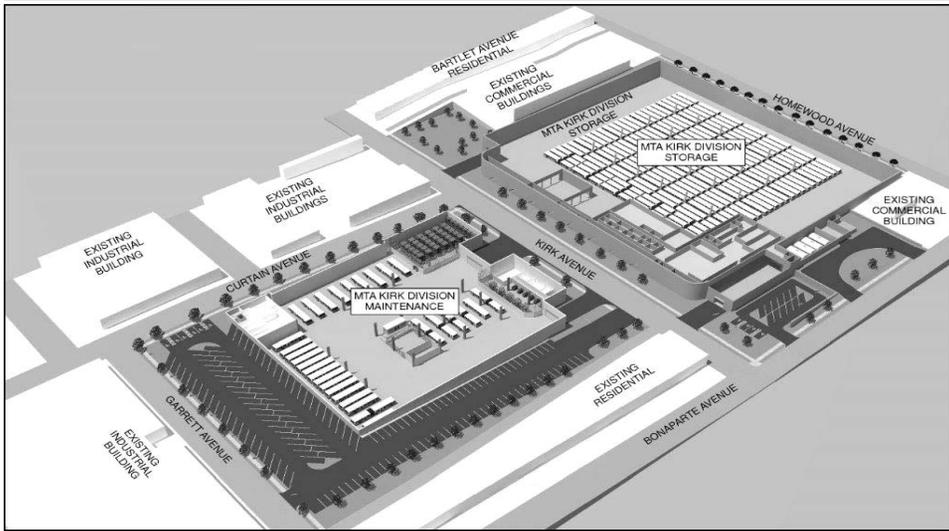
None.

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 FY22.

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	11,963	5,080	1,928	731	300	300	624	3,000	6,883	0	
Right-of-way	0	0	0	0	0	0	0	0	0	0	
Construction	55,640	4,716	17,554	3,317	1,767	4,000	7,410	16,876	50,924	0	
Total	67,603	9,796	19,482	4,048	2,067	4,300	8,034	19,876	57,807	0	
Federal-Aid	14,568	2,920	11,648	0	0	0	0	0	11,648	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 2018. Design of Phase II is underway with construction to follow.

SIGNIFICANT CHANGE FROM FY 2016 - 21 CTP: Project cost increased by \$5.0M to fully fund Phase II Construction.

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	
Engineering	13,099	11,591	1,508	0	0	0	0	0	1,508	0	
Right-of-way	4,049	3,108	507	434	0	0	0	0	941	0	
Construction	136,980	48,587	16,918	3,971	0	6,074	10,128	51,302	88,393	0	
Total	157,465	66,623	18,933	4,405	0	6,074	10,128	51,302	90,842	0	
Federal-Aid	107,445	43,269	15,146	4,405	0	0	7,221	37,404	64,176	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.

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		
					.....2019.....	.....2020.....	.....2021.....	.....2022.....		
Planning	0	0	0	0	0	0	0	0	0	0
Engineering	700	341	359	0	0	0	0	0	359	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	499,121	199,278	47,055	45,000	57,950	38,096	18,000	93,742	299,843	0
Total	499,821	199,619	47,414	45,000	57,950	38,096	18,000	93,742	300,202	0
Federal-Aid	350,342	129,932	42,604	36,000	33,391	27,201	14,400	66,814	220,410	0



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		CURRENT YEAR	BUDGET YEAR	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
	ESTIMATED COST (\$000)	EXPEND THRU 2016			YEAR 2017	YEAR 20182019....2020....			....2021....	....2022....
Planning	0	0	0	0	0	0	0	0	0	0
Engineering	4,838	4,514	324	0	0	0	0	0	324	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	40,245	2,219	3,676	10,950	18,400	5,000	0	0	38,026	0
Total	45,083	6,733	4,000	10,950	18,400	5,000	0	0	38,350	0
Federal-Aid	0	1	-1	0	0	0	0	0	-1	0

SIGNIFICANT CHANGE FROM FY 2016 - 21 CTP: Project cost increased by \$7.4M 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	40,428	34,911	5,517	0	0	0	0	0	5,517	0
Total	42,633	37,116	5,517	0	0	0	0	0	5,517	0
Federal-Aid	32,103	27,690	4,413	0	0	0	0	0	4,413	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 facilities, 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:

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

- | | |
|--|---|
| <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:

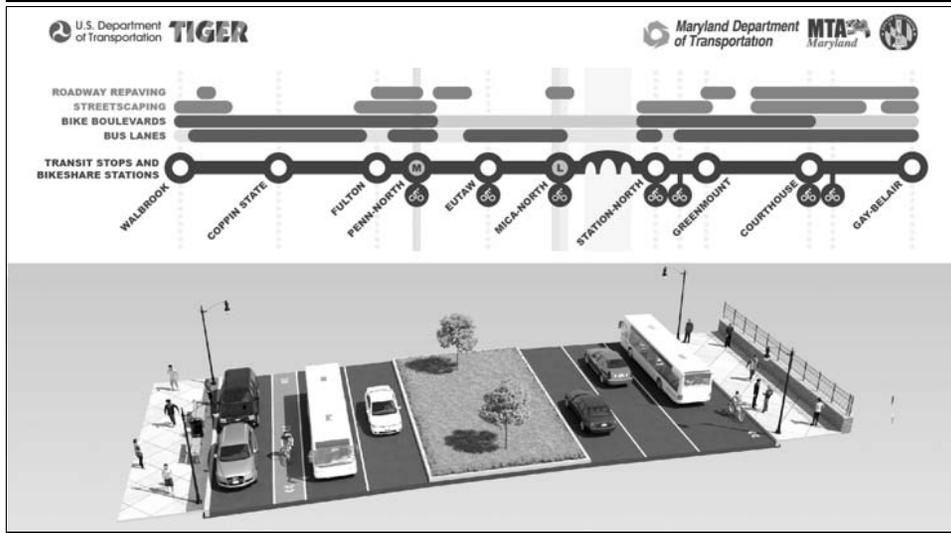
- Bus Procurement - Line 14
- Bus Communications Systems Upgrade - Line 15
- North Avenue Rising - Line 18

STATUS: Planning and design for the transit facilities, 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	2,954	1,495	1,459	0	0	0	0	0	1,459	0
Engineering	4,927	1,358	3,464	105	0	0	0	0	3,569	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	29,049	48	13,736	13,634	1,631	0	0	0	29,001	0
Total	36,930	2,901	18,659	13,739	1,631	0	0	0	34,029	0
Federal-Aid	20,800	0	11,706	7,790	1,304	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 \$10.0 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 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	900	0	200	400	200	100	0	0	900	0	
Engineering	2,200	0	300	1,000	800	50	50	0	2,200	0	
Right-of-way	0	0	0	0	0	0	0	0	0	0	
Construction	24,230	0	860	6,470	8,830	6,050	2,020	0	24,230	0	
Total	27,330	0	1,360	7,870	9,830	6,200	2,070	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 \$1.0 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	55,017	904	8,606	11,600	9,677	11,401	12,751	54,939	0	
Total	109,956	55,017	904	8,606	11,600	9,677	11,401	12,751	54,939	0	
Federal-Aid	53,316	19,160	723	6,884	8,681	1,363	8,356	8,149	34,156	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				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	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	14,501	14,501	0	0	0	0	0	0	0	0	
Total	15,888	15,888	0	0	0	0	0	0	0	0	
Federal-Aid	14	14	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:

- | | |
|--|--|
| <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 |

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:

Homeland Security - Line 7

EXPLANATION: This project enhances surveillance capabilities to improve safety.

STATUS: All phases are complete.

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	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	28,575	28,575	0	0	0	0	0	0	0	0	
Total	28,605	28,605	0	0	0	0	0	0	0	0	
Federal-Aid	9,812	9,812	0	0	0	0	0	0	0	0	

SIGNIFICANT CHANGE FROM FY 2016 - 21 CTP: None.



PROJECT: Southern Maryland Commuter Bus Initiative

DESCRIPTION: Construction of Southern Maryland Commuter Bus Park and Ride lots at Dunkirk and 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 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: 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	5,570	1,013	0	0	0	0	0	1,013	0	0
Total	10,507	9,494	1,013	0	0	0	0	0	1,013	0	0
Federal-Aid	8,686	7,677	1,009	0	0	0	0	0	1,009	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 27
- Locally Operated Transit Systems - Line 47

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 ONLY					
			2017	2018	.....2019.....	.....2020.....	.....2021.....	.....2022.....		
Planning	135	118	17	0	0	0	0	0	17	0
Engineering	37,507	25,712	2,110	3,485	1,550	1,550	1,550	1,550	11,795	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	228,952	121,578	14,025	17,195	19,007	21,611	22,734	12,802	107,374	0
Total	266,594	147,408	16,152	20,680	20,557	23,161	24,284	14,352	119,186	0
Federal-Aid	225,526	125,131	13,574	15,628	17,725	20,042	21,151	12,275	100,395	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 47

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	EXPEND THRU 2016	CURRENT YEAR 2017	BUDGET YEAR 2018	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE	
	ESTIMATED COST (\$000)				.....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	30,071	728	4,817	6,665	6,755	6,005	5,005	29,975	0	
Total	60,046	30,071	728	4,817	6,665	6,755	6,005	5,005	29,975	0	
Federal-Aid	47,615	23,639	582	3,853	5,332	5,404	4,802	4,003	23,976	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:

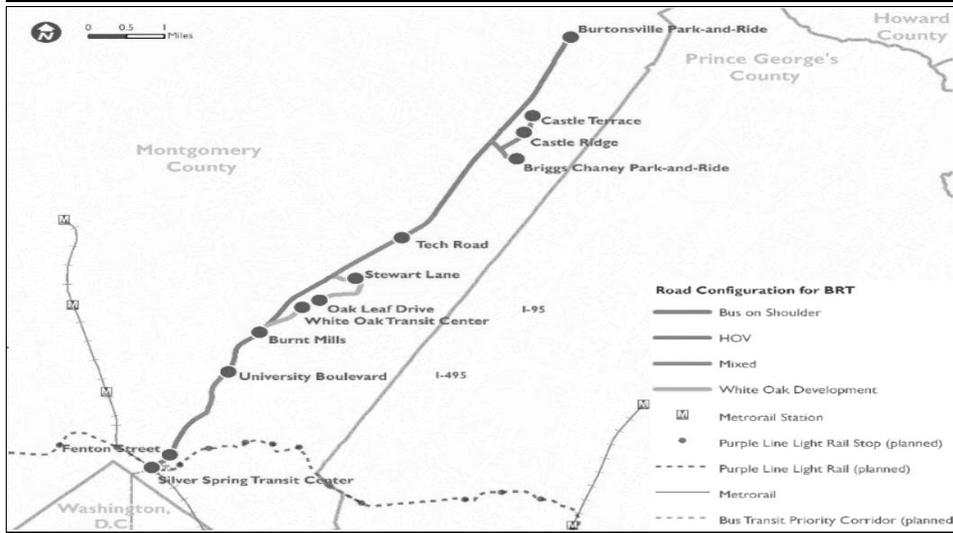
- Locally Operated Transit Systems Capital Procurement Projects (Local Jurisdictions) - Line 23
- Montgomery County Bus Rapid Transit - Line 26
- Takoma-Langley Transit Center - Line 28
- Corridor Cities Transitway (CCT) - Line 36

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	1,463	3,817	2,000	0	0	0	0	5,817	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	68,290	2,766	2,306	1,000	1,000	4,893	2,000	13,965	0
Total	89,535	69,753	6,583	4,306	1,000	1,000	4,893	2,000	19,782	0
Federal-Aid	22,450	18,235	0	0	800	800	1,015	1,600	4,215	0

0892, 0894, 1438, 1462



PROJECT: Montgomery County Bus Rapid Transit

DESCRIPTION: Montgomery County is proposing a new Bus Rapid Transit (BRT) service along US 29 between the Silver Spring Transit Center and the Burtonsville Park and Ride in Montgomery County, Maryland. FTA has awarded the County a \$10 million TIGER grant and the County is providing matching funds to support transit vehicles, station construction and traffic management improvements. The purpose of the project is to improve mobility options by accommodating a high frequency, reliable transit service operating with existing right-of-way to the extent practical with service commencing as quickly as possible.

PURPOSE & NEED SUMMARY STATEMENT: This project is to improve mobility options by accommodating a high frequency, reliable transit service operating within existing right-of-way, to the extent practical, between the Silver Spring Transit Center and the Burtonsville Park & Ride with service commencing as quickly as possible.

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

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

EXPLANATION: The BRT line will serve a corridor with rapidly developing residential and employment sites.

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

STATUS: Planning is underway.

POTENTIAL FUNDING SOURCE: <input type="checkbox"/> SPECIAL <input checked="" type="checkbox"/> FEDERAL <input type="checkbox"/> GENERAL <input checked="" type="checkbox"/> OTHER											
PHASE	TOTAL ESTIMATED EXPEND		CURRENT BUDGET		PROJECTED CASH REQUIREMENTS				SIX YEAR TOTAL	BALANCE TO COMPLETE	
	COST (\$000)	THRU 2016	YEAR 2017	YEAR 20182019....2020....2021....2022....		YEAR	TO COMPLETE
Planning	1,000	0	1,000	0	0	0	0	0	1,000	0	
Engineering	5,500	0	1,500	4,000	0	0	0	0	5,500	0	
Right-of-way	1,000	0	0	1,000	0	0	0	0	1,000	0	
Construction	33,000	0	0	4,000	19,000	10,000	0	0	33,000	0	
Total	40,500	0	2,500	9,000	19,000	10,000	0	0	40,500	0	
Federal-Aid	10,000	0	0	0	10,000	0	0	0	10,000	0	

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

Montgomery County will be providing the \$30.5M match for this project.



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 28

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		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	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	6,569	758	1,000	1,000	1,000	500	500	4,758	0
Total	11,327	6,569	758	1,000	1,000	1,000	500	500	4,758	0
Federal-Aid	1,296	593	303	0	0	0	400	0	703	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.

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
- Prince George's County Local Bus Program - Line 27
- Purple Line - Line 34
- Purple Line: Third Party Funded Projects - Line 35

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.

STATUS: The transit center was open to service in December 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 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	476	476	0	0	0	0	0	0	0	0	0
Engineering	2,988	2,988	0	0	0	0	0	0	0	0	0
Right-of-way	12,851	12,851	0	0	0	0	0	0	0	0	0
Construction	18,455	18,103	352	0	0	0	0	0	352	0	0
Total	34,770	34,418	352	0	0	0	0	0	352	0	0
Federal-Aid	818	818	0	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.

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.

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: Operating system software and various component overhauls are underway. Specification development for system replacement is underway.

SIGNIFICANT CHANGE FROM FY 2016 - 21 CTP: \$39.6M has been deferred to FY 2023 from the Farebox Replacement project due to agency-wide budget restrictions.

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	95	70	0	0	0	0	0	70	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	61,574	4,406	4,761	4,036	3,987	1,392	865	2,500	17,541	39,627
Total	61,739	4,501	4,831	4,036	3,987	1,392	865	2,500	17,611	39,627
Federal-Aid	5,452	227	2,995	2,230	0	0	0	0	5,225	0

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 \$2.75M 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	4,826	2,668	677	481	100	100	300	500	2,158	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	25,890	7,564	2,604	2,990	2,765	3,267	2,700	4,000	18,326	0
Total	30,716	10,232	3,281	3,471	2,865	3,367	3,000	4,500	20,484	0
Federal-Aid	10,850	5,450	2,624	2,776	0	0	0	0	5,400	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:

- 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:

None.

STATUS: Condition assessment will begin in FY 2017.

POTENTIAL FUNDING SOURCE:

- SPECIAL FEDERAL GENERAL 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	23	77	0	0	0	0	0	77	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	39,900	1	562	278	0	0	11,059	28,000	39,899	0
Total	40,000	24	639	278	0	0	11,059	28,000	39,976	0
Federal-Aid	22,298	0	0	0	0	0	293	22,005	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

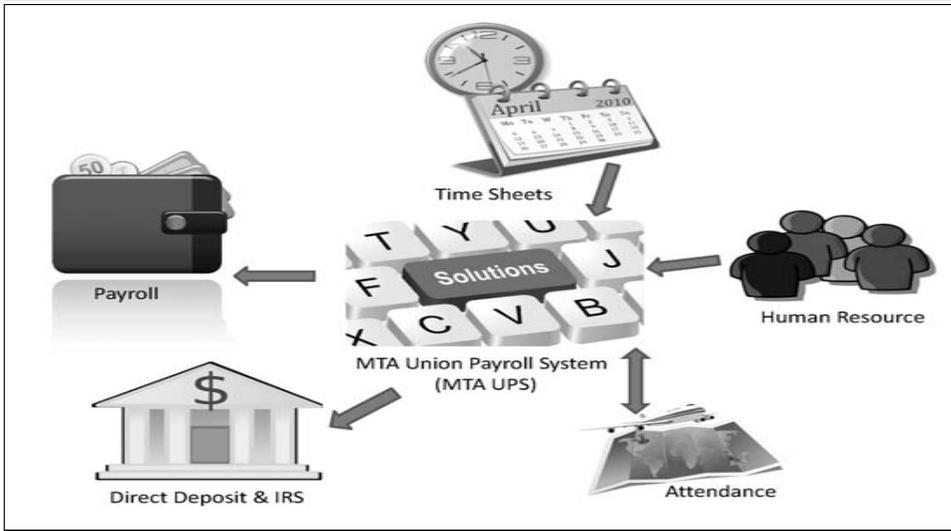
ASSOCIATED IMPROVEMENTS:

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 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	600	195	405	0	0	0	0	0	405	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	195	1,139	6,524	8,857	6,334	5,631	1,500	29,985	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

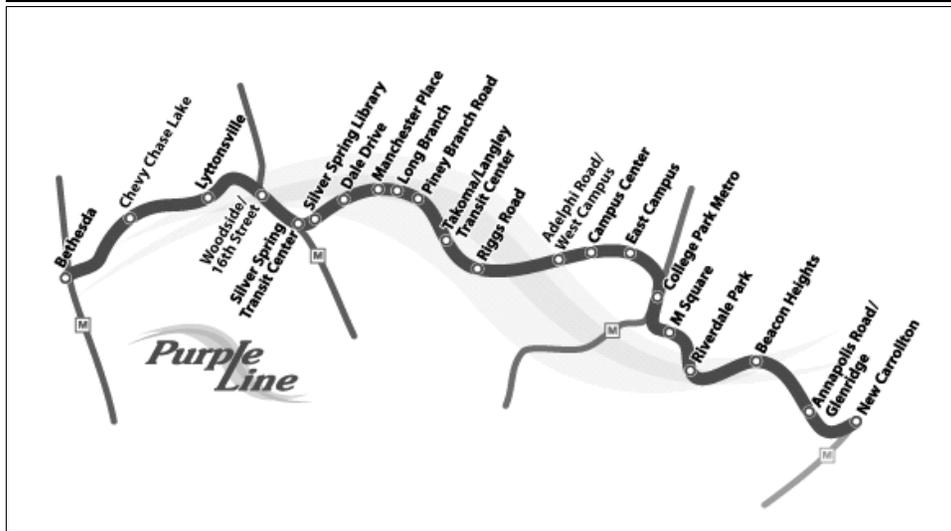
ASSOCIATED IMPROVEMENTS:

None.

STATUS: Specification development underway.

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 ONLY						
			2017	2018	.....2019.....	.....2020.....	.....2021.....	.....2022.....		
Planning	0	0	0	0	0	0	0	0	0	0	
Engineering	595	595	0	0	0	0	0	0	0	0	
Right-of-way	0	0	0	0	0	0	0	0	0	0	
Construction	11,356	-99	0	0	0	7,422	840	3,193	11,455	0	
Total	11,951	496	0	0	0	7,422	840	3,193	11,455	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 28
 Purple Line: Third-Party Funded Projects - Line 35

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.

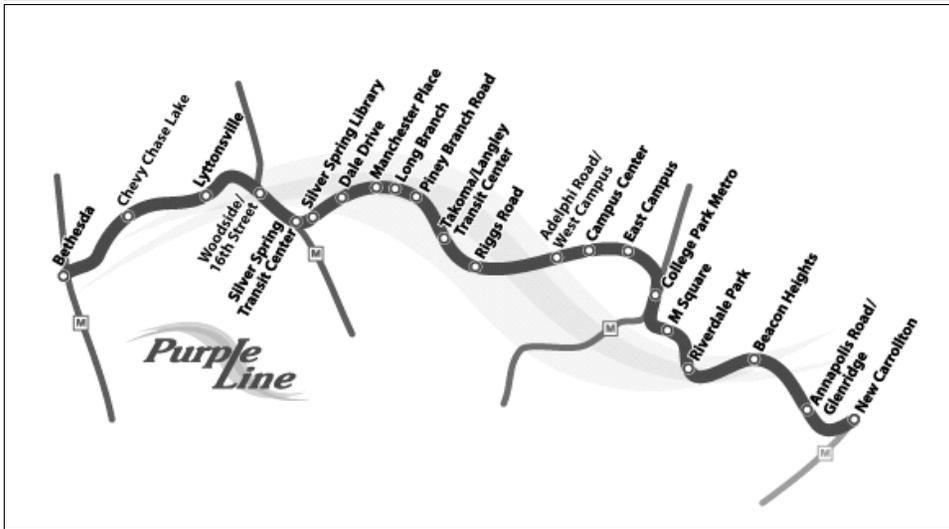
STATUS: Solicitation process underway to select concessionaire to design, build, finance, operate and maintain.

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	211,490	186,490	25,000	0	0	0	0	0	25,000	0	
Right-of-way	229,600	38,896	54,102	45,578	91,024	0	0	0	190,704	0	
Construction	986,188	73,907	259,411	240,935	194,535	60,133	21,803	102,600	879,417	32,864	
Total	1,480,285	352,300	338,513	286,513	285,559	60,133	21,803	102,600	1,095,121	32,864	
Federal-Aid	960,432	60,324	231,353	145,343	178,412	121,000	116,000	108,000	900,108	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. Project has executed a Full Funding Grant Agreement with FTA for \$900M.

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

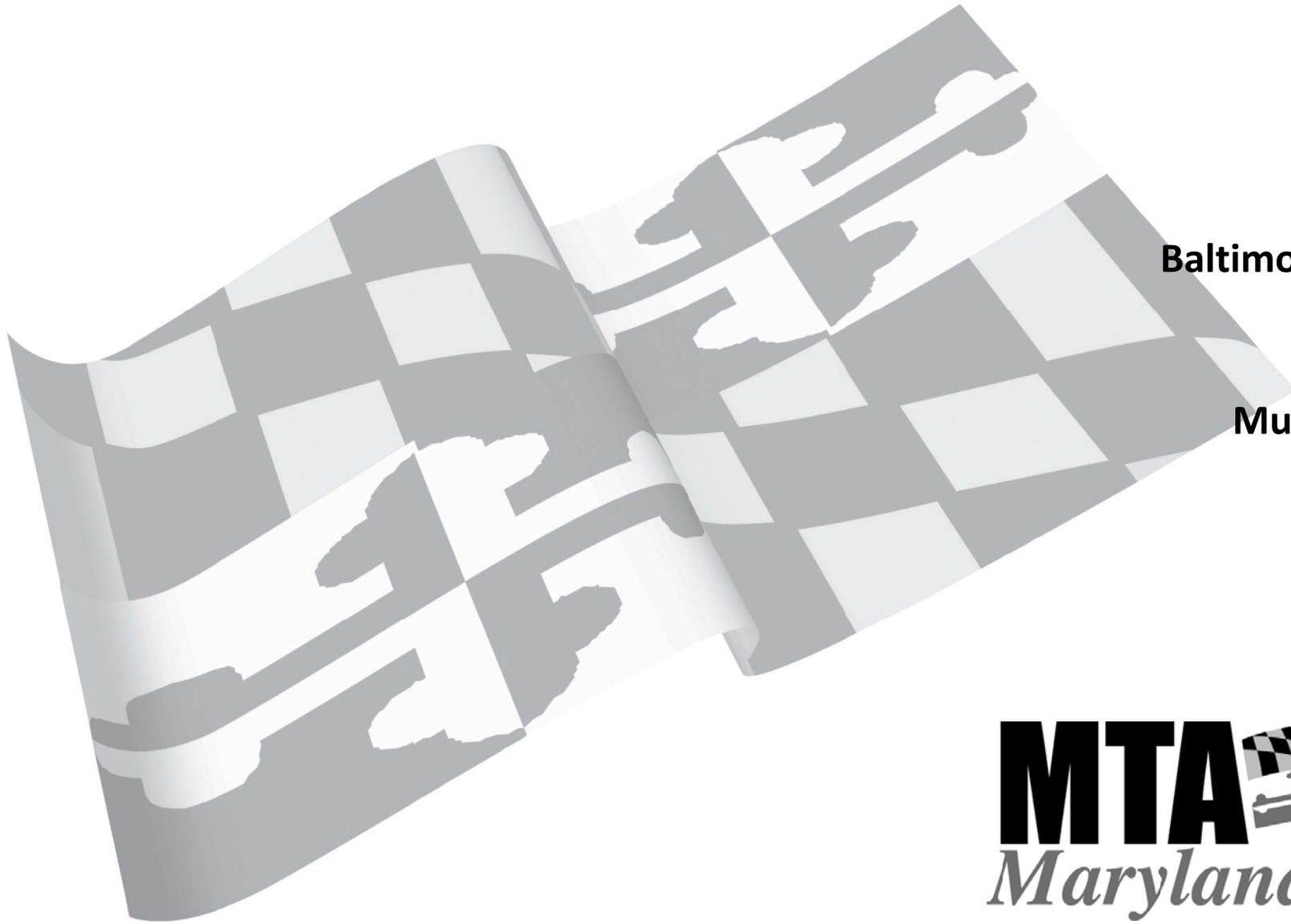
ASSOCIATED IMPROVEMENTS:

Takoma/Langley Park Transit Center - Line 28
Purple Line - Line 34

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 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	6,780	0	3,707	1,630	1,083	283	0	77	6,780	0	
Right-of-way	0	0	0	0	0	0	0	0	0	0	
Construction	140,453	3,813	16,537	23,611	32,748	36,491	15,519	11,592	136,498	142	
Total	147,233	3,813	20,244	25,241	33,831	36,774	15,519	11,669	143,278	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 \$39.2M.



MARC

Light Rail

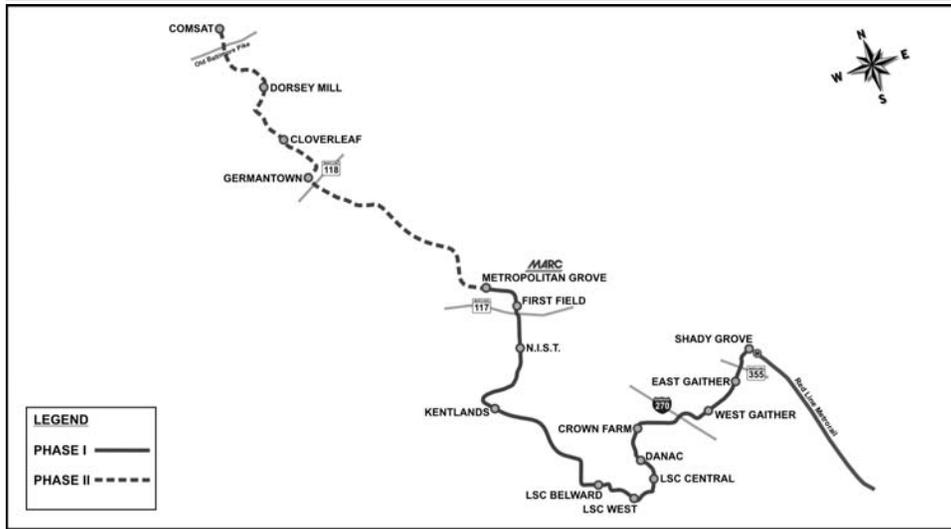
Baltimore Metro

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
- 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
- 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. This project has been deferred to FY 2023 due to agency-wide budget restrictions.

SIGNIFICANT CHANGE FROM FY 2016 - 21 CTP: \$73.4M of funding has been deferred to FY 2023 due to agency-wide budget restrictions.

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	42,408	37,033	375	5,000	0	0	0	0	5,375	0
Engineering	35,000	0	0	0	0	0	0	0	0	35,000
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	37,033	375	5,000	0	0	0	0	5,375	218,403
Federal-Aid	1,501	1,501	0	0	0	0	0	0	0	0



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 38

STATUS: West Baltimore station engineering will begin in FY 2018.

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	1,877	1,789	88	0	0	0	0	0	88	0
Engineering	3,266	0	0	66	3,200	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	1,789	88	66	3,200	0	0	0	3,354	0
Federal-Aid	2,741	59	70	52	2,560	0	0	0	2,682	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

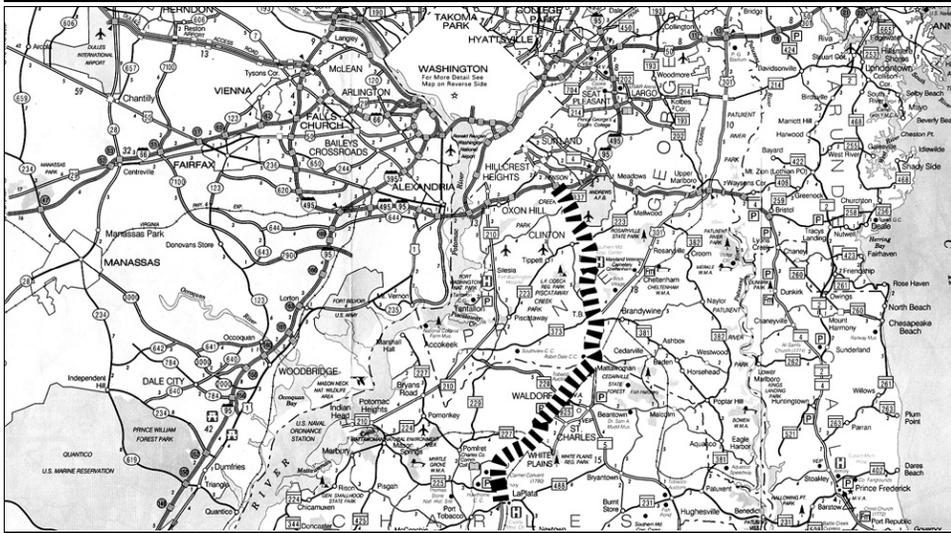
ASSOCIATED IMPROVEMENTS:

MARC Maintenance, Layover & Storage Facilities - Line 1
 MARC Growth and Investment Program - Line 37

STATUS: Project currently in Planning with transition to Engineering expected in FY 2023.

SIGNIFICANT CHANGE FROM FY 2016 - 21 CTP: \$7.7M of funding for this project has been deferred to FY 2023 due to agency-wide budget restrictions.

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	4,591	4,590	1	0	0	0	0	0	1	0	
Engineering	1,554	0	0	0	0	0	0	0	0	1,554	
Right-of-way	6,100	0	0	0	0	0	0	0	0	6,100	
Construction	0	0	0	0	0	0	0	0	0	0	
Total	12,245	4,590	1	0	0	0	0	0	1	7,654	
Federal-Aid	3,141	3,141	0	0	0	0	0	0	0	0	



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

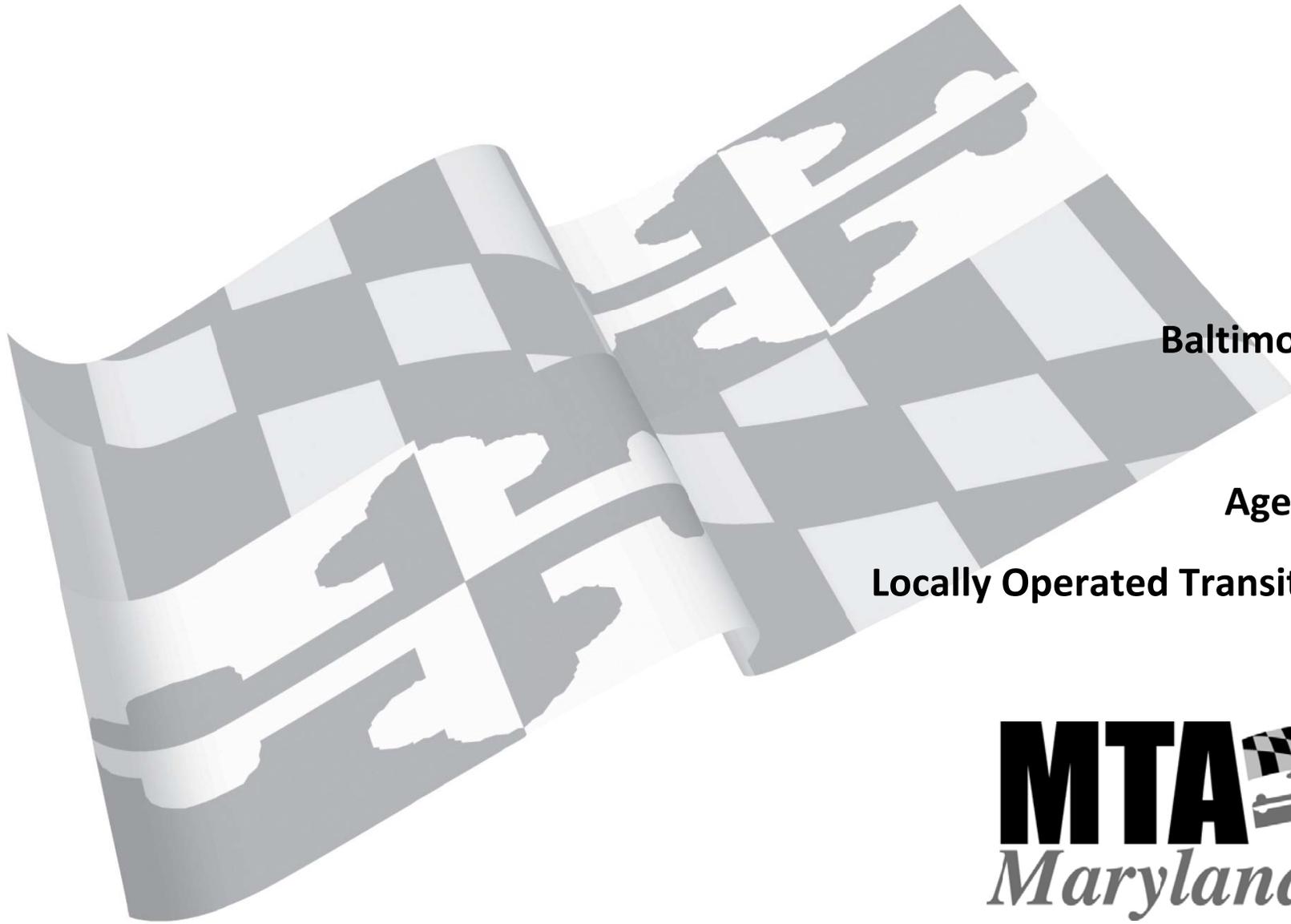
Project Inside PFA Grandfathered
 Project Outside PFA Exception Will Be Required
 PFA Status Yet to Be Determined Exception Granted

ASSOCIATED IMPROVEMENTS:
None.

STATUS: This project has been deferred to FY 2023 due to agency-wide budget restrictions.

SIGNIFICANT CHANGE FROM FY 2016 - 21 CTP: \$1.7M in funding for this project has been deferred to FY 2023 due to agency-wide budget restrictions.

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	6,236	4,302	272	0	0	0	0	0	272	1,662	
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	4,302	272	0	0	0	0	0	272	1,662	
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 40

ITEM NO.	DESCRIPTION AND IMPROVEMENT TYPE	TOTAL PROJECT COST (\$000's)	CONSTRUCTION START
<u>AGENCYWIDE IMPROVEMENTS -- FY 2016 COMPLETIONS</u>			
1	Bethesda Metro Entrance D&E (1269)	1,712	Complete
2	Guaranteed Ride Home (1419)	200	Complete
3	Howard Street Revitalization (1207)	6,118	Complete
4	MAXIMO (1168)	7,966	Complete
5	Police Dispatch CAD Records Management (1393)	3,965	Complete
6	Transit Info Center Telephone Systems Update (1395)	2,728	Complete
7	Wireless LAN D&E (1210)	1,218	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
	<u>AGENCYWIDE IMPROVEMENTS -- FY 2017 AND 2018</u>		
8	Access Control (1213)	1,928	Ongoing
9	ADA Compliance (0266)	888	Ongoing
10	Asset Management (1435)	74	Ongoing
11	Bicycle Initiatives (1449)	863	Ongoing
12	Bridge & Tunnel Inspection (0608)	5,136	Ongoing
13	Capital Beltway South Side Transit Study D&E (1420)	29	Ongoing
14	Capital Program Support Fund (1239)	4,117	Ongoing
15	Communications Systems Upgrades & Support (1367)	1,029	Ongoing
16	Corrosion Control Services (0752)	809	Ongoing
17	Engineering Standards (0221)	558	Ongoing
18	Environmental Compliance (1149)	5,336	Ongoing
19	Information Technology Preservation Fund (1396)	368	Ongoing
20	Miscellaneous Planning Studies (0510)	2,339	Ongoing
21	New IT Equipment (1103)	2,399	Ongoing
22	Non-Revenue Vehicles (1079)	3,553	Ongoing
23	Owner-Controlled Insurance Program (0832)	2,139	Ongoing
24	Parking Lot Improvements (0177)	4,651	Ongoing
25	Parking Lot Inspection & Repaving (0470)	570	Ongoing
26	Police Radios (1439)	1,765	Ongoing
27	Safety and Infrastructure Improvements (1070)	688	Ongoing
28	Station Signage Improvements (0843)	5,379	Ongoing
29	Telephone Communications Systems (0493)	720	Ongoing
30	TMDL Compliance (1452)	3,892	Ongoing
31	Transit Development Plan (1442)	1,417	Ongoing
32	Transit Oriented Design Fund (1190)	518	Ongoing
33	Wicomico Demolition and Hazmat Abatement (1392)	150	Ongoing
34	Baltimore Red Line (0862)	796	Underway
35	Fiber Optic Connection (1486)	380	Underway
36	Rail Purchase (0660)	3,700	Underway
37	Safety and Claims Management Systems (1473)	500	Underway
38	Trapeze Upgrades (1482)	114	Underway

SYSTEM PRESERVATION MINOR PROJECTS PROGRAM

MARYLAND TRANSIT ADMINISTRATION - LINE 41

ITEM NO.	DESCRIPTION AND IMPROVEMENT TYPE	TOTAL PROJECT COST (\$000's)	CONSTRUCTION START
39	<p><u>BUS SYSTEM IMPROVEMENTS -- FY 2016 COMPLETIONS</u> Wash Replacement (1421)</p>	3,150	Complete

SYSTEM PRESERVATION MINOR PROJECTS PROGRAM

MARYLAND TRANSIT ADMINISTRATION - LINE 41 (cont'd)

ITEM NO.	DESCRIPTION AND IMPROVEMENT TYPE	FY17 + FY18 PROJECT COST (\$000's)	CONSTRUCTION START
<u>BUS SYSTEM IMPROVEMENTS -- FY 2017 AND 2018</u>			
40	Bus Lifts (1096)	3,793	Ongoing
41	Energy Savings Improvements (1422)	403	Ongoing
42	Facilities Rehabilitation (0193)	7,541	Ongoing
43	Hybrid Battery Replacement (1436)	1,658	Ongoing
44	Maintenance Support Improvement Fund (0554)	7,926	Ongoing

SYSTEM PRESERVATION MINOR PROJECTS PROGRAM

MARYLAND TRANSIT ADMINISTRATION - LINE 42

ITEM NO.	DESCRIPTION AND IMPROVEMENT TYPE	FY17 + FY18 PROJECT COST (\$000's)	CONSTRUCTION START
45	<u>FREIGHT IMPROVEMENTS -- FY 2017 AND 2018</u> Capital Improvement Program (0590)	7,533	Ongoing
46	Grade Crossing Rehabilitation Fund (0212)	4,132	Ongoing

SYSTEM PRESERVATION MINOR PROJECTS PROGRAM

MARYLAND TRANSIT ADMINISTRATION - LINE 43

ITEM NO.	DESCRIPTION AND IMPROVEMENT TYPE	TOTAL PROJECT COST (\$000's)	CONSTRUCTION START
	<p><u>LIGHT RAIL IMPROVEMENTS -- FY 2016 COMPLETIONS</u></p>		
47	CCTV Wireless Infrastructure (1211)	379	Complete
48	North Ave Yard Route Push Button System (0451)	4,033	Complete
49	PA/LED Signs Replacement (1294)	12,916	Complete

SYSTEM PRESERVATION MINOR PROJECTS PROGRAM

MARYLAND TRANSIT ADMINISTRATION - LINE 43 (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>		
50	Access Road Preservation (1189)	359	Ongoing
51	Balance Weight Assembly (1254)	1,458	Ongoing
52	Drainage Improvements (0856)	3,976	Ongoing
53	Electrical Box Replacement (1187)	550	Ongoing
54	Facilities and Station Rehabilitation (0005)	2,504	Ongoing
55	Grade Crossing Repair (1048)	6,008	Ongoing
56	Interlocking Renewals Fund (1451)	3,455	Ongoing
57	Rail Installation (0797)	1,070	Ongoing
58	Railroad Worker Protection Equipment (1364)	274	Ongoing
59	Refurbish North Ave Carwash (1188)	452	Ongoing
60	Station Preservation (1227)	544	Ongoing
61	Bridge Preservation (0248)	2,211	Underway

SYSTEM PRESERVATION MINOR PROJECTS PROGRAM

MARYLAND TRANSIT ADMINISTRATION - LINE 44

ITEM NO.	DESCRIPTION AND IMPROVEMENT TYPE	FY17 + FY18 PROJECT COST (\$000's)	CONSTRUCTION START
<u>MARC IMPROVEMENTS -- FY 2017 AND 2018</u>			
62	Miscellaneous Facility Improvements and Rehabilitation (0199)	3,777	Ongoing
63	PA/LED Signs (0430)	405	Ongoing
64	Parking Lot Improvements (1006)	1,789	Ongoing
65	Structural Inspection D&E (1376)	410	Ongoing
66	System Preservation Fund (0634)	4,409	Ongoing
67	Camden Station Improvements (1492)	850	Underway

SYSTEM PRESERVATION MINOR PROJECTS PROGRAM

MARYLAND TRANSIT ADMINISTRATION - LINE 45

ITEM NO.	DESCRIPTION AND IMPROVEMENT TYPE	TOTAL PROJECT COST (\$000's)	CONSTRUCTION START
68	<u>METRO IMPROVEMENTS -- FY 2016 COMPLETIONS</u> CCTV Infrastructure (1293)	253	Complete
69	Rail Fastener and Bolt Replacement (0455)	9,345	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
	<u>METRO IMPROVEMENTS -- FY 2017 AND 2018</u>		
70	Bridge & Elevated Structures Rehabilitation Fund (0239)	3,608	Ongoing
71	Fire Protection System Preservation (1186)	1,020	Ongoing
72	Miscellaneous System Preservation Improvements (0179)	3,274	Ongoing
73	Rail Installation Program (0868)	2,701	Ongoing
74	Station Emergency Telephones (1288)	4,186	Ongoing
75	Train Control Systems (0840)	5,710	Ongoing
76	Tunnel Structural Repairs (0529)	3,436	Ongoing
77	Owings Mills Platform Rehabilitation (1413)	406	Underway
78	Third Rail Cover Board (1425)	203	Underway

SYSTEM PRESERVATION MINOR PROJECTS PROGRAM

MARYLAND TRANSIT ADMINISTRATION - LINE 46

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

SYSTEM PRESERVATION MINOR PROJECTS PROGRAM

MARYLAND TRANSIT ADMINISTRATION - LINE 46 (cont'd)

ITEM NO.	DESCRIPTION AND IMPROVEMENT TYPE	FY17 + FY18 PROJECT COST (\$000's)	CONSTRUCTION START
81	<u>MOBILITY IMPROVEMENTS -- FY 2017 AND 2018</u> Miscellaneous Improvements Fund (1166)	2,321	Ongoing
82	CAD/AVL System Replacement (1483)	300	Underway

LOCALLY OPERATED TRANSIT SYSTEMS

MARYLAND TRANSIT ADMINISTRATION -- LINE 47

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	Computers - 4	6	Complete
3	Preventive Maintenance (FY15)	321	Complete
4	Shop Equipment (FY16)	3	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 (FY12)	174	Complete
6	Operations Control Center	89	Complete
7	Preventive Maintenance (FY14)	180	Complete
8	Preventive Maintenance (FY15)	180	Complete
9	Preventive Maintenance (FY16)	350	Complete
10	Surveillance Cameras	221	Complete
11	Tech Assistance	20	Complete
12	Tire Storage Facility	152	Complete
13	Vehicle Farebox	1	Complete
<u>ANNE ARUNDEL COUNTY FY 2016 COMPLETIONS</u>			
1	See Annapolis for Projects		
2	Ridesharing (FY15)	193	Complete
<u>BALTIMORE COUNTY FY 2016 COMPLETIONS</u>			
1	BMC Ridesharing (FY15)	170	Complete

LOCALLY OPERATED TRANSIT SYSTEMS

MARYLAND TRANSIT ADMINISTRATION -- LINE 47 (cont'd)

ITEM NO.	DESCRIPTION AND IMPROVEMENT TYPE	TOTAL PROJECT COST (\$000's)	CONSTRUCTION START
<u>LOCALLY OPERATED TRANSIT SYSTEMS (cont'd)</u>			
<u>CALVERT COUNTY FY 2016 COMPLETIONS</u>			
1	Preventive Maintenance (FY15 5307)	34	Complete
2	Preventive Maintenance (FY15 5311)	127	Complete
3	Ridesharing (FY15)	9	Complete
<u>CAROLINE COUNTY FY 2016 COMPLETIONS</u>			
1	Preventive Maintenance	97	Complete
<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 (FY15)	6	Complete
2	North Bus Canopy Expansion (FY14)	90	Complete
3	Preventive Maintenance (FY15)	104	Complete
<u>DORCHESTER COUNTY FY 2016 COMPLETIONS</u>			
1	10 AVL Units	42	Complete
2	3.5 Ton Jack	1	Complete
3	Cambridge Parking Lot Upgrade	18	Complete
4	Preventive Maintenance	60	Complete
5	Smoke Machine	3	Complete

LOCALLY OPERATED TRANSIT SYSTEMS

MARYLAND TRANSIT ADMINISTRATION -- LINE 47 (cont'd)

ITEM NO.	DESCRIPTION AND IMPROVEMENT TYPE	TOTAL PROJECT COST (\$000's)	CONSTRUCTION START
<u>LOCALLY OPERATED TRANSIT SYSTEMS (cont'd)</u>			
<u>ELDERLY/DISABLED NON-PROFITS FY 2016 COMPLETIONS</u>			
1	Action in Maturity - 1 Expansion Small Bus	58	Complete
2	Action in Maturity - Preventive Maintenance	6	Complete
3	Allegany County HRDC, Inc - 2 Expansion Small Buses	96	Complete
4	Allegany County HRDC, Inc - Preventive Maintenance	13	Complete
5	Appalachian Parent Assoc - 1 Small Replacement Bus	52	Complete
6	Appalachian Parent Assoc - Misc Support Equip.	14	Complete
7	Appalachian Parent Association - 2 Small Buses	120	Complete
8	ARC of Baltimore - 2 Small Buses	121	Complete
9	ARC of Montgomery County - 2 Small Replacement Buses	104	Complete
10	ARC of Montgomery County - Preventive Maintenance	25	Complete
11	ARC of Montgomery County - 1 Small Bus & Preventive Maintenance	60	Complete
12	ARC of Northern Chesapeake - 1 Expansion Small Bus	52	Complete
13	ARC of Northern Chesapeake - 1 Small Replacement Bus	52	Complete
14	ARC of Northern Chesapeake - Preventive Maintenance	14	Complete
15	ARC of Northern Chesapeake Region - 2 Small Buses	120	Complete
16	ARC of Prince George's - 1 Small Replacement Bus	52	Complete
17	ARC of Washington County - 1 Small Replacement Bus	52	Complete
18	ARC of Washington County - Preventive Maintenance	13	Complete
19	Associated Catholic Charities - 1 Small Bus & Preventive Maintenance	61	Complete
20	Bay Community Support Services - 1 Small Bus	60	Complete
21	Bay Community Support Services - 4 Expansion Lift Equipped Mini Vans	144	Complete
22	Bay Community Support Services - Preventive Maintenance	13	Complete
23	Bayside Community Network - 2 Capital Maintenance Items Walker Racks	1	Complete
24	Bayside Community Network - 2 Small Replacement Buses	96	Complete
25	Bayside Community Network - Preventive Maintenance	19	Complete

LOCALLY OPERATED TRANSIT SYSTEMS

MARYLAND TRANSIT ADMINISTRATION -- LINE 47 (cont'd)

ITEM NO.	DESCRIPTION AND IMPROVEMENT TYPE	TOTAL PROJECT COST (\$000's)	CONSTRUCTION START
<u>LOCALLY OPERATED TRANSIT SYSTEMS (cont'd)</u>			
<u>ELDERLY/DISABLED NON-PROFITS FY 2016 COMPLETIONS (cont'd)</u>			
26	Bayside Community Network- 2 Small Buses	121	Complete
27	Benedictine School for Exceptional Children - 1 Small Replacement Bus	52	Complete
28	Center for Life Enrichment - 2 Small Buses	120	Complete
29	Charles County Nursing and Rehabilitation - 1 Small Replacement Bus	52	Complete
30	Charles County Nursing and Rehabilitation - Preventive Maintenance	9	Complete
31	Chesapeake Care Resources, Inc. - 1 Small Replacement Bus	52	Complete
32	Chesapeake Care Resources, Inc. - Preventive Maintenance	18	Complete
33	Chi Centers - 1 Small Bus	60	Complete
34	CHI Centers - 2 Small Replacement Buses	104	Complete
35	Daybreak Adult Day Services - 1 Small Replacement Bus	52	Complete
36	Daybreak Adult Day Services - Preventive Maintenance	9	Complete
37	Delmarva Community Transit - 4 Small Replacement Buses	260	Complete
38	Delmarva Community Transit - Preventive Maintenance	29	Complete
39	Diakon - 1 Small Replacement Bus	52	Complete
40	Dove Pointe - 1 Small Bus	61	Complete
41	Dove Pointe, Inc. - 2 Expansion Small Buses	104	Complete
42	Dove Pointe, Inc. - Preventive Maintenance	33	Complete
43	Easter Seals Baltimore - 1 Small Replacement Bus	52	Complete
44	Easter Seals Baltimore - Preventive Maintenance	9	Complete
45	Easter Seals Hagerstown - 1 Small Bus	61	Complete
46	Easter Seals Hagerstown - 1 Small Replacement Bus	52	Complete
47	Easter Seals Hagerstown - Preventive Maintenance	9	Complete
48	Easter Seals Silver Spring - 1 Expansion Small Bus	52	Complete
49	Easter Seals Silver Spring - 1 Small Bus	60	Complete
50	Easter Seals Silver Spring - Preventive Maintenance	8	Complete

LOCALLY OPERATED TRANSIT SYSTEMS

MARYLAND TRANSIT ADMINISTRATION -- LINE 47 (cont'd)

ITEM NO.	DESCRIPTION AND IMPROVEMENT TYPE	TOTAL PROJECT COST (\$000's)	CONSTRUCTION START
<u>LOCALLY OPERATED TRANSIT SYSTEMS (cont'd)</u>			
<u>ELDERLY/DISABLED NON-PROFITS FY 2016 COMPLETIONS (cont'd)</u>			
51	Freedom Landing - 1 Small Replacement Bus	52	Complete
52	Freedom Landing - Preventive Maintenance	3	Complete
53	Friends Aware - 1 Minivan	41	Complete
54	Friends Aware - 1 Replacement Mini-Van	36	Complete
55	Friends Aware - 1 Small Replacement Bus	52	Complete
56	Friends Aware - Preventive Maintenance	18	Complete
57	Hopkins Elder Plus - 1 Small Replacement Bus	52	Complete
58	Hopkins Elder Plus - Preventive Maintenance	16	Complete
59	HUMANIM - 1 Small Expansion Bus	52	Complete
60	HUMANIM - 1 Small Replacement Bus	52	Complete
61	Jewish Council for Aging - 1 Small Expansion Bus	52	Complete
62	Kent Center - 1 Small Bus	62	Complete
63	Lifestyles, Inc - 1 Small Expansion Bus	52	Complete
64	Lifestyles, Inc - Preventive Maintenance	3	Complete
65	Mosaic - 1 Small Expansion Bus	52	Complete
66	Mosaic - 1 Small Replacement Bus	52	Complete
67	Mosaic - Preventive Maintenance	20	Complete
68	Mount Zion Baptist Church - 1 Small Replacement Bus	52	Complete
69	Pleasant Day - 1 Small Replacement Bus	52	Complete
70	Pleasant Day - Preventive Maintenance	15	Complete
71	Progress Unlimited - 2 Small Buses	120	Complete
72	Progress Unlimited, Inc. - 2 Small Expansion Buses	104	Complete
73	Progress Unlimited, Inc. - ADP Software	3	Complete
74	Progress Unlimited, Inc. - Preventive Maintenance	10	Complete
75	Prologue Inc - 2 Small Buses	120	Complete

LOCALLY OPERATED TRANSIT SYSTEMS

MARYLAND TRANSIT ADMINISTRATION -- LINE 47 (cont'd)

ITEM NO.	DESCRIPTION AND IMPROVEMENT TYPE	TOTAL PROJECT COST (\$000's)	CONSTRUCTION START
<u>LOCALLY OPERATED TRANSIT SYSTEMS (cont'd)</u>			
<u>ELDERLY/DISABLED NON-PROFITS FY 2016 COMPLETIONS (cont'd)</u>			
76	Prologue, Inc. - 2 Small Replacement Buses	104	Complete
77	Providence Center - 1 Small Replacement Bus	52	Complete
78	Somerset Community Services - 2 Small Buses	120	Complete
79	Somerset Community Services, Inc - 1 Small Expansion Bus	52	Complete
80	Somerset Community Services, Inc - 1 Small Replacement Bus	52	Complete
81	Somerset Community Services, Inc - Preventive Maintenance	11	Complete
82	Southern Md. TCCAC - 1 Small Bus	60	Complete
83	Spring Dell - 1 Small Replacement Bus	52	Complete
84	Spring Dell - 16 On Board Surveillance Cameras	28	Complete
85	Spring Dell - 3 Small Buses	180	Complete
86	Spring Dell - Preventive Maintenance	26	Complete
87	St Mary's Adult Medical Daycare - 1 Small Bus	60	Complete
88	St. Ann's Adult Day Services (aka Assoc. Catholic Charities) - 1 Small Replacement Bus	52	Complete
89	St. Ann's Adult Day Services (aka Assoc. Catholic Charities) - Preventive Maintenance	9	Complete
90	St. Mary's Adult Medical Day Care, Inc. - 1 Small Replacement Bus	52	Complete
91	St. Mary's Adult Medical Day Care, Inc. - Preventive Maintenance	3	Complete
92	St. Mary's Nursing Center, Inc - Preventive Maintenance	5	Complete
93	The League for People with Disabilities - 1 Small Expansion Bus	52	Complete
94	The League for People with Disabilities - Preventive Maintenance	5	Complete
95	UCP of Central Maryland - 1 Small Expansion Bus	52	Complete
96	UCP of Central Maryland - 1 Small Replacement Bus	52	Complete
97	UCP of Central Maryland - 2 Small Replacement Buses	104	Complete
98	UCP of Central Maryland (aka UCC) - Preventive Maintenance	15	Complete
99	Washington County CAC - 1 Small Expansion Bus	52	Complete
100	Washington County CAC - Preventive Maintenance	16	Complete

LOCALLY OPERATED TRANSIT SYSTEMS

MARYLAND TRANSIT ADMINISTRATION -- LINE 47 (cont'd)

ITEM NO.	DESCRIPTION AND IMPROVEMENT TYPE	TOTAL PROJECT COST (\$000's)	CONSTRUCTION START
<u>LOCALLY OPERATED TRANSIT SYSTEMS (cont'd)</u>			
<u>ELDERLY/DISABLED NON-PROFITS FY 2016 COMPLETIONS (cont'd)</u>			
101	Washington County Community Action Council - 3 Small Buses	183	Complete
102	Washington County HDC - 2 Small Expansion Buses	104	Complete
103	Washington County HDC - Preventive Maintenance	7	Complete
104	Way Station - 2 Small Buses	120	Complete
105	Way Station - 3 Small Expansion Buses	156	Complete
106	Way Station - Preventive Maintenance	10	Complete
107	Worcester County Comm on Aging - 1 Computer	1	Complete
108	Worcester County Comm on Aging - Preventive Maintenance	6	Complete
109	Worcester County Commission on Aging - 1 Minivan	40	Complete
110	Worcester County Developmental Center - 1 Expansion Mini-Van	36	Complete
111	Worcester County Developmental Center - 1 Small Expansion Bus	52	Complete
112	Worcester County Developmental Center - Preventive Maintenance	19	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 (FY16)	170	Complete
4	Infrastructure Electric Bus	125	Complete
5	Preventive Maintenance	70	Complete
6	Preventive Maintenance	200	Complete
7	Preventive Maintenance (FY15 5311)	600	Complete
8	Ridesharing	123	Complete

LOCALLY OPERATED TRANSIT SYSTEMS

MARYLAND TRANSIT ADMINISTRATION -- LINE 47 (cont'd)

ITEM NO.	DESCRIPTION AND IMPROVEMENT TYPE	TOTAL PROJECT COST (\$000's)	CONSTRUCTION START
<u>LOCALLY OPERATED TRANSIT SYSTEMS (cont'd)</u>			
<u>GARRETT COUNTY FY 2016 COMPLETIONS</u>			
1	Preventive Maintenance	202	Complete
2	Preventive Maintenance	191	Complete
<u>HARFORD COUNTY FY 2016 COMPLETIONS</u>			
1	AVL-IVR	60	Complete
2	AVL-Passenger Count	131	Complete
3	Portable Bus Lift (FY14)	40	Complete
4	Preventive Maintenance	200	Complete
5	Preventive Maintenance	57	Complete
6	Preventive Maintenance	100	Complete
7	Ridesharing	88	Complete
<u>HOWARD COUNTY FY 2016 COMPLETIONS</u>			
1	3 Medium Hybrid & 1 Small Hybrid Bus	830	Complete
2	4 Hybrid Sedans	100	Complete
3	Bus Shelters	50	Complete
4	Communication System	150	Complete
5	Preventive Maintenance	31	Complete
6	Preventive Maintenance	200	Complete
7	Ridesharing	130	Complete
<u>MONTGOMERY COUNTY FY 2016 COMPLETIONS</u>			
1	Bus Replacement	7,000	Complete
2	Ridesharing	372	Complete
3	Wash Area Grant - Preventive Maintenance (FY16)	5,600	Complete

LOCALLY OPERATED TRANSIT SYSTEMS

MARYLAND TRANSIT ADMINISTRATION -- LINE 47 (cont'd)

ITEM NO.	DESCRIPTION AND IMPROVEMENT TYPE	TOTAL PROJECT COST (\$000's)	CONSTRUCTION START
<u>LOCALLY OPERATED TRANSIT SYSTEMS (cont'd)</u>			
<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 (FY16)	50	Complete
<u>ST. MARY'S COUNTY FY 2016 COMPLETIONS</u>			
1	1 Small Bus	47	Complete
2	24 Bus Cameras	45	Complete
3	Brake Lathe	14	Complete
4	New Bus Shelter-California P&R	12	Complete
5	Preventive Maintenance	50	Complete
<u>TALBOT COUNTY FY 2016 COMPLETIONS</u>			
1	Preventive Maintenance (FY15)	69	Complete

LOCALLY OPERATED TRANSIT SYSTEMS

MARYLAND TRANSIT ADMINISTRATION -- LINE 47 (cont'd)

ITEM NO.	DESCRIPTION AND IMPROVEMENT TYPE	TOTAL PROJECT COST (\$000's)	CONSTRUCTION START
<u>LOCALLY OPERATED TRANSIT SYSTEMS (cont'd)</u>			
<u>TRI-COUNTY COUNCIL FOR LOWER EASTERN SHORE FY 2016 COMPLETIONS</u>			
1	1 Laptop	2	Complete
2	1 Medium Replace Bus	142	Complete
3	1 Minivan	45	Complete
4	1 Minivan	45	Complete
5	ID Card Machine	4	Complete
6	Maintenance Facility Support Vehicle	40	Complete
7	Maintenance Shop Equipment	15	Complete
8	Mobility Management (FY16)	143	Complete
9	Office Equipment	9	Complete
10	Ridesharing	109	Complete
11	Server and Data Storage	15	Complete
12	Shop Equipment	18	Complete
<u>WASHINGTON COUNTY FY 2016 COMPLETIONS</u>			
1	Farebox Equipment	40	Complete
2	Preventive Maintenance	250	Complete
<u>WICOMICO COUNTY FY 2016 COMPLETIONS</u>			
1	Preventive Maintenance	250	Complete
<u>WORCESTER COUNTY FY 2016 COMPLETIONS</u>			
1	See Tri-County Council for the Lower Eastern Shore and Ocean City for Projects		

LOCALLY OPERATED TRANSIT SYSTEMS

MARYLAND TRANSIT ADMINISTRATION -- LINE 47 (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	Replacement Bus 12/2	55	FY 2017
2	Replacement Bus 8/2	50	FY 2017
3	Security System for Transit Facility (FY16)	8	FY 2017
4	Vehicle Parking Addition (FY16)	12	FY 2017
5	2 Medium Replacement Buses	514	FY 2018
6	Medium Duty under 30' Replacement 303 (FY17)	175	FY 2018
7	Passenger Facility Construction (FY17)	350	FY 2018
8	Preventive Maintenance (FY17)	350	FY 2018
9	Replacement HD Bus - changed to 1 Medium + 2 Small Buses	380	FY 2018
10	Small Cutaway Replacement 297 (FY17)	65	FY 2018
11	Small Cutaway Replacement 302 (FY17)	75	FY 2018
12	Vehicle Cameras APC (FY15)	237	FY 2018
13	Preventive Maintenance (FY16)	350	Ongoing
<u>ANNAPOLIS FY 2017 AND 2018</u>			
1	Heavy duty floor jacks (FY17)	9	FY 2017
2	Maintenance Shop Rehabilitation	105	FY 2017
3	Preventive Maintenance (FY17)	350	FY 2017
4	Support Vehicle Replacement 76 (FY17)	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	Electronic Farebox System (FY16)	200	Underway
9	Support Vehicle	70	Underway

LOCALLY OPERATED TRANSIT SYSTEMS

MARYLAND TRANSIT ADMINISTRATION -- LINE 47 (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	See Annapolis for Projects		
2	4 Small Buses for Ft. Meade Shuttle	320	FY 2017
3	Ridesharing (FY17)	197	FY 2018
<u>BALTIMORE CITY FY 2017 AND 2018</u>			
1	Ridesharing (FY16)	80	FY 2017
2	Ridesharing (FY17)	80	FY 2017
<u>BALTIMORE COUNTY FY 2017 AND 2018</u>			
1	BMC Ridesharing (FY16)	171	FY 2017
2	BMC Ridesharing (FY17)	170	FY 2018

LOCALLY OPERATED TRANSIT SYSTEMS

MARYLAND TRANSIT ADMINISTRATION -- LINE 47 (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 Small Replacement Bus (FY17 5339)	67	FY 2017
2	2 Fleet Radios (FY14)	5	FY 2017
3	2 Small Replacement Buses (FY16 5311 & 5307)	150	FY 2017
4	Electronic Fareboxes	115	FY 2017
5	Electronic Fareboxes (FY15 5339)	30	FY 2017
6	Fleet Radios (FY15 5307)	10	FY 2017
7	Fleet Radios (FY15 5311)	37	FY 2017
8	In-Vehicle Camera System (FY13)	50	FY 2017
9	Replacement Small Bus (FY15 5339)	67	FY 2017
10	Ridesharing (FY16)	9	FY 2017
11	Scan Tools (FY17 5307 & 5311)	11	FY 2017
12	1 Medium Replacement Bus (FY16 5311 & 5307)	148	FY 2018
13	4 Medium Replacement Buses	633	FY 2018
14	D & E Transit Center	2,000	FY 2018
15	Dispatch Software (FY14)	32	FY 2018
16	Preventive Maintenance (FY17 5307 & 5311)	173	FY 2018
17	Ridesharing (FY17)	9	FY 2018
18	Preventive Maintenance (FY16 5307 & 5311)	173	Ongoing
<u>CAROLINE COUNTY FY 2017 AND 2018</u>			
1	Denton Parking Bus Shelter (FY13)	9	Underway

LOCALLY OPERATED TRANSIT SYSTEMS

MARYLAND TRANSIT ADMINISTRATION -- LINE 47 (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 (FY14 5307)	122	FY 2017
2	2 Small Replacement Buses (FY14 5307)	120	FY 2017
3	6 Small Bus Replacement	366	FY 2017
4	6 Small Bus Replacements (FY17)	383	FY 2017
5	Preventive Maintenance (FY17)	200	FY 2018
6	Preventive Maintenance (FY16)	200	Ongoing
<u>CECIL COUNTY FY 2017 AND 2018</u>			
1	2 Small Replacement Buses (FY16)	152	FY 2017
2	Automated Stop Annunciator (AVA) (FY16)	82	FY 2017
3	Bus Wraps for Cutaway Buses (FY16)	7	FY 2017
4	Mobile Radios (FY16)	29	FY 2017
5	Preventive Maint (FY17)	150	FY 2017
6	1 Replacement Bus 35' (FY15)	226	FY 2018
7	2 Expansion 35' HD Buses	451	FY 2018
8	3 Bus Wraps (FY15)	13	FY 2018
9	3 Surveillance Cameras	18	FY 2018
10	Annunciators (FY17)	17	FY 2018
11	Medium duty 35' Expansion (FY17)	300	FY 2018
12	Medium duty 35' Expansion (FY17)	300	FY 2018
13	Mobile Radios (FY17)	7	FY 2018
14	Preventive Maintenance (FY16)	150	Ongoing
15	11 Tablets	7	Underway
16	Transit Hub Study Needs FY16)	105	Underway

LOCALLY OPERATED TRANSIT SYSTEMS

MARYLAND TRANSIT ADMINISTRATION -- LINE 47 (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 (FY15)	487	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 (FY15)	148	FY 2017
2	3 Medium Replacement Buses (FY16)	466	FY 2017
3	3 Small Cutaway Replacement Buses (FY16)	227	FY 2017
4	4 GenFare Fareboxes (FY16)	60	FY 2017
5	4 Replacement Buses (FY15)	592	FY 2017
6	Small Cutaway CS46 (FY17)	67	FY 2017
7	Small Cutaway CS57 (FY17)	67	FY 2017
8	Onboard Security Camera System (FY16)	138	FY 2018
9	Preventive Maint (FY17)	227	FY 2018
10	Shelter and Bus Stop Improvements (FY17)	50	FY 2018
11	Preventive Maintenance (FY16)	227	Ongoing
12	Feasibility Study Phase II (FY15)	300	Underway

LOCALLY OPERATED TRANSIT SYSTEMS

MARYLAND TRANSIT ADMINISTRATION -- LINE 47 (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 (FY16)	210	FY 2017
2	Preventive Maintenance (FY17)	75	FY 2017
3	Safety Cabinet	1	FY 2017
4	Small Cutaway 155 (FY17)	68	FY 2017
5	Small Cutaway 157 (FY17)	68	FY 2017
6	Small Cutaway 160 (FY17)	68	FY 2017
7	1 Medium Duty Replacement Bus (FY13)	113	FY 2018
8	Preventive Maintenance (FY16)	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 (FY15)	500	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 47 (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	120	FY 2017
9	Comprehensive Housing Assistance - 1 Small Expansion Bus	60	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 47 (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 47 (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 47 (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	APC for Buses (27)	150	FY 2017
2	AVL and Infrastructure for 27 Buses	175	FY 2017
3	Electric Bus 35920 (FY17)	585	FY 2017
4	Electric Bus 35922 (FY17)	585	FY 2017
5	Facility Update D&E (FY17)	390	FY 2017
6	Gas Small Cutaway 37830 (FY17)	67	FY 2017
7	Gas Small Cutaway 37831 (FY17)	67	FY 2017
8	Gas Small Cutaway 37832 (FY17)	67	FY 2017
9	Paratransit Software (FY17)	275	FY 2017
10	Preventive Maint (FY17 5307)	700	FY 2017
11	Preventive Maint (FY17 5311)	70	FY 2017
12	Gas Medium Duty 37963 (FY17)	125	FY 2018
13	Additional Infrastructure Funds (FY16)	70	Ongoing
14	Preventive Maintenance (FY16 5311)	70	Ongoing
15	Ridesharing (FY16)	124	Underway

LOCALLY OPERATED TRANSIT SYSTEMS

MARYLAND TRANSIT ADMINISTRATION -- LINE 47 (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 (FY16)	120	FY 2017
2	3 Small Bus Replacement	180	FY 2017
3	On Board Cameras (FY16)	75	FY 2017
4	Preventive Maint (FY17)	227	FY 2017
5	Small Cutaway 172 (FY17)	67	FY 2017
6	Small Cutaway 176 (FY17)	67	FY 2017
7	Small Cutaway 181 (FY17)	67	FY 2017
8	two-way radio (FY17)	29	FY 2017
9	AVL	21	Ongoing

LOCALLY OPERATED TRANSIT SYSTEMS

MARYLAND TRANSIT ADMINISTRATION -- LINE 47 (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 (FY17)	325	FY 2017
2	Vehicle Video Security System	150	FY 2017
3	1 Medium Bus	198	FY 2018
4	1 Medium Replacement Bus (FY16)	196	FY 2018
5	Vehicle Video Security Sys Funds (FY17)	55	FY 2019
6	Preventive Maintenance (FY16)	325	Ongoing
7	A/C Training Room	15	Underway
8	AVL - Communications/Signage	165	Underway
9	AVL Additions VLLU	40	Underway
10	Bus Shelters	130	Underway
11	Bus Stop Info Signs	15	Underway
12	Bus Wash Renovation	55	Underway
13	Bus Wash Renovation (FY16)	30	Underway
14	Call Center Phone	150	Underway
15	Garage Door Repair	30	Underway
16	Maintenance Equipment	17	Underway
17	Operator Training Room A/C Funds (FY16)	25	Underway
18	Transportation Development Plan (FY16)	90	Underway

LOCALLY OPERATED TRANSIT SYSTEMS

MARYLAND TRANSIT ADMINISTRATION -- LINE 47 (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 (FY16)	197	FY 2017
2	Diesel Paratransit Cutaway Buses (FY16)	874	FY 2018
3	Ridesharing (FY16)	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 (FY16)	75	Underway
8	Transportation Development Plan (FY16)	90	Underway
9	Voucher Card System	179	Underway
<u>MONTGOMERY COUNTY FY 2017 AND 2018</u>			
1	Bus Replacement (FY17)	2,000	FY 2017
2	Ridesharing (FY17)	372	FY 2017
3	Wash Area Grant - Preventive Maintenance (FY17)	5,600	FY 2017
4	Ridesharing (FY16)	372	Ongoing
5	Bus Replacement (FY16)	2,000	Underway

LOCALLY OPERATED TRANSIT SYSTEMS

MARYLAND TRANSIT ADMINISTRATION -- LINE 47 (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	Preventive Maintenance (FY17 5311)	600	FY 2017
2	1 ADA Cutaway Bus (FY17 5339)	68	FY 2018
3	1 Heavy Duty Bus 40' (FY16 5311)	454	FY 2018
4	2 Heavy Duty Buses (FY17 5339)	935	FY 2018
5	3 Heavy Duty Buses 40' (FY16 5339)	1,362	FY 2018
6	3 Large Replacement Buses	1,362	FY 2018
7	40' Heavy Duty Bus 1648 (FY17 5311)	468	FY 2018
8	Bus Surveillance System (FY17 5339)	500	FY 2018
9	Bus Barn Fire Suppression	15	Underway
10	Transit Facility & Bus Barn D&E	1,250	Underway
<u>PRINCE GEORGE'S COUNTY FY 2017 AND 2018</u>			
1	Bus Stop Improvements (FY17)	500	FY 2017
2	Ridesharing (FY17)	372	FY 2017
3	Ridesharing (FY16)	269	Ongoing
4	Bus Stop Improvements (FY16)	500	Underway
5	Bus Stop Improvements	500	Underway
<u>QUEEN ANNE'S COUNTY FY 2017 AND 2018</u>			
1	Bus Canopy (FY17)	20	FY 2017
2	Preventive Maintenance (FY17)	65	FY 2017
<u>SOMERSET COUNTY FY 2017 AND 2018</u>			
1	See Tri-County Council for the Lower Eastern Shore Projects		

LOCALLY OPERATED TRANSIT SYSTEMS

MARYLAND TRANSIT ADMINISTRATION -- LINE 47 (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	3 30' HD Replacement Buses (FY16 5307 & 5311)	414	FY 2017
2	Preventive Maintenance (FY17 5307 & 5311)	56	FY 2017
3	1 Medium Replacement Bus (FY17 5339)	138	FY 2018
4	2 Medium Duty Replacement Buses (FY14 5307)	387	FY 2018
5	2 Medium Replacement Buses	233	FY 2018
6	4 Medium Replacement Buses	500	FY 2018
7	Preventive Maintenance (FY16 5307 & 5311)	94	Ongoing
<u>TALBOT COUNTY FY 2017 AND 2018</u>			
1	10 Tablets / Routers / Mounts	17	FY 2017
2	Preventive Maintenance (FY17)	84	FY 2017
3	2 Medium Duty Replacement Buses (FY14)	223	FY 2018
4	3 Small Cutaway Buses (FY17)	206	FY 2018

LOCALLY OPERATED TRANSIT SYSTEMS

MARYLAND TRANSIT ADMINISTRATION -- LINE 47 (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 (FY16)	300	FY 2017
2	2 Support Vehicles (FY16)	90	FY 2017
3	3 Small Cutaway Replacement Buses (FY16)	210	FY 2017
4	Expansion - Small Bus	62	FY 2017
5	Expansion Bus	62	FY 2017
6	Medium Bus Replacement	116	FY 2017
7	Medium Duty Bus 401 (FY17)	121	FY 2017
8	Medium Duty Bus 402 (FY17)	121	FY 2017
9	Mobility Management (FY17)	143	FY 2017
10	Preventive Maint (FY17)	900	FY 2017
11	Small Cutaway 45 (FY17)	71	FY 2017
12	Small Cutaway 46 (FY17)	71	FY 2017
13	Small Cutaway 70 (FY17)	71	FY 2017
14	Facility Construction Phase III	1,557	FY 2018
15	EAM Maintenance Software	80	Underway
16	Maintenance Shop Equipment (FY16)	28	Underway
17	Passenger Amenities	75	Underway
18	Trapeze Call Back Module	16	Underway
19	Trapeze Cert. Module	16	Underway

LOCALLY OPERATED TRANSIT SYSTEMS

MARYLAND TRANSIT ADMINISTRATION -- LINE 47 (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 (FY16)	74	FY 2017
2	On-Board Surveillance Cameras	80	FY 2017
3	On-Vehicle Video Surveillance	82	FY 2017
4	Pressure Washer for Buses (FY16)	13	FY 2017
5	Preventive Maintenance (FY17)	285	FY 2017
6	Route Match Notification System	27	FY 2017
7	RouteMatch Fixed Route System (FY17)	310	FY 2017
8	Small Bus Replacement	70	FY 2017
9	Vehicle Lift System (FY16)	47	FY 2017
10	Fuel Monitoring System (FY16)	16	FY 2018
11	Preventive Maintenance (FY16)	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 (FY16/17 5310) - Mobility Management	100	Ongoing
<u>WICOMICO COUNTY FY 2017 AND 2018</u>			
1	See Tri-County Council for the Lower Eastern Shore for Projects		
<u>WORCESTER COUNTY FY 2017 AND 2018</u>			
1	See Tri-County Council for the Lower Eastern Shore and Ocean City for Projects		

LOCALLY OPERATED TRANSIT SYSTEMS

MARYLAND TRANSIT ADMINISTRATION -- LINE 47 (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 COMPLETIONS</u>			
1	Ridesharing (FY16)	194	Complete
<u>CHARLES COUNTY FY 2017 COMPLETIONS</u>			
1	P & R Facility Improvements (FY13)	232	Complete
2	Preventive Maintenance (FY15)	227	Complete
3	Rt 301 P & R Improvements (FY14)	100	Complete
4	Transit Facility Feasibility Study	300	Complete
<u>FREDERICK COUNTY FY 2017 COMPLETIONS</u>			
1	2 Electric Buses (FY16)	1,060	Complete
2	Preventive Maintenance (FY16 5307)	700	Complete
<u>GARRETT COUNTY FY 2017 COMPLETIONS</u>			
1	Preventive Maintenance (FY16)	215	Complete
<u>OCEAN CITY FY 2017 COMPLETIONS</u>			
1	3 40' Bus Replacements (FY15 5339) - changed to 2 Articulated Buses	1,379	Complete
<u>QUEEN ANNE'S COUNTY FY 2017 COMPLETIONS</u>			
1	Bus Cameras (FY16)	40	Complete
<u>TALBOT COUNTY FY 2017 COMPLETIONS</u>			
1	2 Radios (FY15)	5	Complete
2	Preventive Maintenance (FY16)	84	Complete
<u>TRI-COUNTY COUNCIL FOR LOWER EASTERN SHORE FY 2017 COMPLETIONS</u>			
1	Preventive Maintenance (FY16)	850	Complete

LOCALLY OPERATED TRANSIT SYSTEMS

MARYLAND TRANSIT ADMINISTRATION -- LINE 47 (cont'd)

ITEM NO.	DESCRIPTION AND IMPROVEMENT TYPE	FY17 + FY18 PROJECT COST (\$000's)	CONSTRUCTION START
1	<p align="center"><u>LOCALLY OPERATED TRANSIT SYSTEMS (cont'd)</u></p> <p align="center"><u>KENT COUNTY</u></p> <p>See Caroline County for Projects</p>		