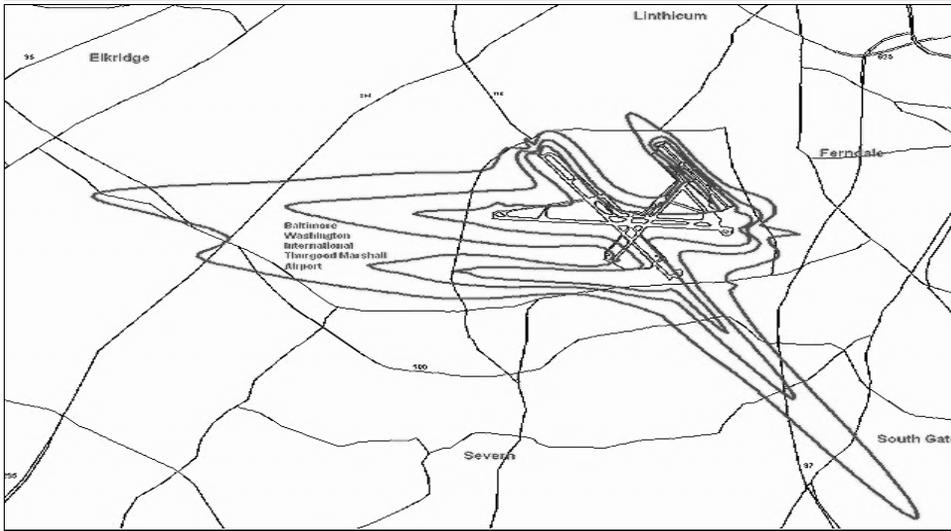


MARYLAND AVIATION ADMINISTRATION

**MARYLAND AVIATION 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	116.5	72.3	0.9	0.9	0.9	0.9	192.5
System Preservation Minor Projects	48.8	38.4	22.7	23.7	22.1	23.5	179.2
<u>Development & Evaluation Program</u>	<u>1.0</u>	<u>1.4</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>2.4</u>
SUBTOTAL	166.3	112.0	23.7	24.6	23.0	24.5	374.1
<u>Capital Salaries, Wages & Other Costs</u>	<u>6.9</u>	<u>6.9</u>	<u>6.1</u>	<u>6.1</u>	<u>6.1</u>	<u>6.1</u>	<u>38.2</u>
TOTAL	173.2	118.9	29.8	30.7	29.1	30.6	412.3
Special Funds	119.8	96.5	25.5	26.4	24.8	26.3	319.4
Federal Funds	6.1	5.5	4.3	4.3	4.3	4.3	28.7
Other Funding *	47.3	16.9	-	-	-	-	64.1
<u>Other Funding Breakdown*</u>							
CFC	4.1	16.0	-	-	-	-	20.1
PFC	43.2	0.9	1.7	1.7	-	-	47.5
PFC Bond	-	-	-	-	-	-	-
TSAOTA	-	-	-	-	-	-	-
	<u>47.3</u>	<u>16.9</u>	<u>1.7</u>	<u>1.7</u>	<u>-</u>	<u>-</u>	<u>67.6</u>



PROJECT: Homeowner Assistance Program

DESCRIPTION: This voluntary program provides for the mitigation of aircraft noise and improvement of land-use compatibility around BWI Marshall. Homeowners may elect to either sell their home, with the State ensuring a fair market value, or have their house soundproofed to reduce interior noise levels. The State receives an aviation easement for each participating property.

PURPOSE & NEED SUMMARY STATEMENT: This program enhances the environment of neighboring communities by providing noise mitigation for homeowners residing within the BWI Marshall Airport Noise Zone starting with the most severely impacted communities.

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.

EXPLANATION: This program enhances the environment of neighboring communities by providing homeowner noise mitigation for people living within designated noise zones near BWI Marshall.

STATUS: MAA has participated in the soundproofing of 676 properties and sales assistance for 113 homes through 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 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	460	442	3	3	3	3	3	3	18	0	
Right-of-way	28,114	22,496	937	937	936	936	936	936	5,618	0	
Construction	0	0	0	0	0	0	0	0	0	0	
Total	28,574	22,938	940	940	939	939	939	939	5,636	0	
Federal-Aid	16,052	11,372	780	780	780	780	780	780	4,680	0	

SIGNIFICANT CHANGE FROM FY 2016 - 21 CTP: Project delayed from FY 2016 to FY 2017 pending FAA approval of updated noise maps.



PROJECT: Runway Safety Area, Standards and Pavement Improvements Phase 2 at BWI Marshall

DESCRIPTION: The project represents the second phase of the Runway Safety Area (RSA), Standards Compliance and Pavement Management Program (PMP) Improvements. This project consists of the design and construction of the Runway 10-28 RSA compliance, standards and PMP improvements to meet Federal Aviation Administration (FAA) standards. Runway improvements will include grading, pavement rehabilitation, pavement markings, and lighting relocation, as well as, connecting taxiways, and property acquisitions.

PURPOSE & NEED SUMMARY STATEMENT: FAA mandates compliance with Runway Safety Area standards by December 2015, in addition, FAR 14 CFR Part 139.305 requires MAA to keep airfield pavement free of cracks and surface variations that could impair directional control of air carrier aircraft. The proposed work will allow MAA to meet the RSA mandate and address Pavement Condition Index ratings of fair or lower. This project will preserve existing airfield capacity by ensuring the continued long-term use of runways, aprons, taxiways and taxilanes located at the busiest areas of airfield operations and minimize the exposure of aircraft to Foreign Object Debris (FOD).

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:

Runway Safety Area, Standards and Pavement Improvements Phase 3 at BWI Marshall -- Line 3.
 Runway Safety Area, Standards and Pavement Improvements Phase 4 at BWI Marshall -- Line 4.

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 for compliance with Public Law 109-115 and FAA Part 139 regulations. RSA improvements enhance safety by reducing the risk of aircraft damage and personal injury in the event of runway overruns. Pavement improvements and FAA standards ensure airfield pavement is free of cracks and surface variations that could impair directional control of the aircraft. BWI Marshall supports the movement of people, goods and State economy.

STATUS: Runway 10-28 RSA compliant and pavement rehabilitation complete August 2013. Amtrak obstructions modifications, property acquisitions, Runway 10-28 NAVAIDS and a portion of Taxiway C will continue into 2017.

SIGNIFICANT CHANGE FROM FY 2016 - 21 CTP: None.

USAGE: Accommodate projected annual passenger growth.

OPERATING COST IMPACT: Operating cost fully recovered through airport user fees.

POTENTIAL FUNDING SOURCE:										
<input checked="" type="checkbox"/> SPECIAL <input checked="" type="checkbox"/> FEDERAL <input type="checkbox"/> GENERAL <input checked="" 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	147	147	0	0	0	0	0	0	0	0
Engineering	11,285	11,285	0	0	0	0	0	0	0	0
Right-of-way	503	503	0	0	0	0	0	0	0	0
Construction	61,140	59,386	1,754	0	0	0	0	0	1,754	0
Total	73,075	71,321	1,754	0	0	0	0	0	1,754	0
Federal-Aid	24,772	24,772	0	0	0	0	0	0	0	0

Other funding sources are Passenger Facility Charge (PFC) revenue and revenue bonds supported by PFC revenue. 7805, 7806, 7807, 7808, 7809, 7810, 7813, 7865, 7866



PROJECT: Runway Safety Area, Standards and Pavement Improvements Phase 3 at BWI Marshall

DESCRIPTION: This project consists of the design and construction of the Runway Safety Area (RSA), and Pavement Management Program (PMP) improvements, other Facility Airport Layout Plan (ALP) improvements, and airfield pavement reconstruction to meet Federal Aviation Administration (FAA) standards. Improvements will include Runway 15R-33L, as well as, connecting taxiways, taxilanes, and adjacent deicing pads.

PURPOSE & NEED SUMMARY STATEMENT: FAA mandates compliance with Runway Safety Area standards by December 2015, in addition, FAR 14 CFR Part 139.305 requires MAA to keep airfield pavement free of cracks and surface variations that could impair directional control of air carrier aircraft. The proposed work will allow MAA to meet the RSA mandate and address Pavement Condition Index ratings of fair or lower. This project will preserve existing airfield capacity by ensuring the continued long-term use of runways, aprons, taxiways and taxilanes located at the busiest areas of airfield operations and minimize the exposure of aircraft to Foreign Object Debris (FOD).

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:

Runway Safety Area, Standards and Pavement Improvements Phase 2 at BWI Marshall -- Line 2.
 Runway Safety Area, Standards and Pavement Improvements Phase 4 at BWI Marshall -- Line 4.

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 for compliance with Public Law 109-115 and FAA Part 139 regulations. RSA improvements enhance safety by reducing the risk of aircraft damage and personal injury in the event of runway overruns. Pavement improvements and FAA standards ensure airfield pavement is free of cracks and surface variations that could impair directional control of the aircraft. BWI Marshall supports the movement of people, goods and State economy.

STATUS: RSA compliant and pavement rehabilitation complete in Summer 2015. Project closeout underway.

SIGNIFICANT CHANGE FROM FY 2016 - 21 CTP: Cost decrease of \$3.2 million due to reallocation of costs among active work phases.

USAGE: Accommodate projected annual passenger growth.

OPERATING COST IMPACT: Operating cost fully recovered through airport user fees.

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	165	165	0	0	0	0	0	0	0	0	0
Engineering	28,031	27,882	149	0	0	0	0	0	0	149	0
Right-of-way	0	0	0	0	0	0	0	0	0	0	0
Construction	120,263	120,263	0	0	0	0	0	0	0	0	0
Total	148,459	148,310	149	0	0	0	0	0	0	149	0
Federal-Aid	41,268	41,268	0	0	0	0	0	0	0	0	0

Other funding sources are Passenger Facility Charge (PFC) revenue and revenue bonds supported by PFC revenue.

7731, 7743, 7755, 7769, 7811, 7812, 7815, 7816, 7817, 7818, 7819, 7820, 7821, 7826, 7827, 9800



PROJECT: Runway Safety Area, Standards and Pavement Improvements Phase 4 at BWI Marshall

DESCRIPTION: This project consists of the design and construction of the Pavement Management Program (PMP) improvements, other Facility Airport Layout Plan (ALP) improvements, and airfield pavement reconstruction to meet Federal Aviation Administration (FAA) standards. Improvements will include Runway 15L-33R, as well as, new exit taxiways, taxilanes, and a dual parallel taxiway around the terminal.

PURPOSE & NEED SUMMARY STATEMENT: FAA mandates compliance with Runway Safety Area standards by December 2015, in addition, FAR 14 CFR Part 139.305 requires MAA to keep airfield pavement free of cracks and surface variations that could impair directional control of air carrier aircraft. The proposed work will allow MAA to meet the RSA mandate and address Pavement Condition Index ratings of fair or lower. This project will preserve existing airfield capacity by ensuring the continued long-term use of runways, aprons, taxiways and taxilanes located at the busiest areas of airfield operations and minimize the exposure of aircraft to Foreign Object Debris (FOD).

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:

Runway Safety Area, Standards and Pavement Improvements Phase 2 at BWI Marshall -- Line 2.
 Runway Safety Area, Standards and Pavement Improvements Phase 3 at BWI Marshall -- Line 3.

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 for compliance with Public Law 109-115 and FAA Part 139 regulations. RSA improvements enhance safety by reducing the risk of aircraft damage and personal injury in the event of runway overruns. Pavement improvements and FAA standards ensure airfield pavement is free of cracks and surface variations that could impair directional control of the aircraft. BWI Marshall supports the movement of people, goods and State economy.

STATUS: Runway 15L-33R RSA compliant Summer 2015. Conversion of Runway 4-22 into new Taxiway P construction began February 2015 and will complete in Spring 2017.

SIGNIFICANT CHANGE FROM FY 2016 - 21 CTP: Cost increase of \$4.1 million resulting from reallocation of cost among active work phases.

USAGE: Accommodate projected annual passenger growth.

OPERATING COST IMPACT: Operating cost fully recovered through airport user fees.

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	165	165	0	0	0	0	0	0	0	0	
Engineering	9,103	9,103	0	0	0	0	0	0	0	0	
Right-of-way	0	0	0	0	0	0	0	0	0	0	
Construction	108,440	94,570	13,870	0	0	0	0	0	13,870	0	
Total	117,708	103,838	13,870	0	0	0	0	0	13,870	0	
Federal-Aid	35,906	35,906	0	0	0	0	0	0	0	0	

Other funding sources are Passenger Facility Charge (PFC) revenue and revenue bonds supported by PFC revenue. 7726, 7836, 7837, 7846, 7847, 7855, 7856, 7857



PROJECT: D/E Connector at BWI Marshall Airport

DESCRIPTION: The terminal improvements in this project include the relocation and consolidation of the Concourses D and E passenger screening checkpoints, the addition of a secure-side connector between Concourses D and E, new holdrooms and gates with immigration access, the conversion of the existing Concourse D and E entrances into egress space, baggage screening improvements, and improved passenger amenities.

PURPOSE & NEED SUMMARY STATEMENT: The project will significantly reduce congestion in the passenger security screening checkpoints, bring existing terminal facilities in compliance with current fire/life safety codes, enhance baggage handling capacity, and provide passengers with ease of movement between concourses without the need to exit and return through security.

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:
 International Concourse Extension at BWI Marshall Airport -- Line 9.

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

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

EXPLANATION: Passenger ease of movement and security is a primary focus of the airport. These improvements provide the flexibility and capacity to rebalance security screening needs between Concourses D and E, as well as capacity for new international or expanding airline service by eliminating aircraft restrictions due to current holdroom sizes. Brings concourses up to current fire/life safety codes. BWI Marshall supports the movement of people, goods and State economy.

STATUS: Enabling projects completed in FY 2015. Construction began February 2015 with schedule completion of April 2017.

SIGNIFICANT CHANGE FROM FY 2016 - 21 CTP: None.

USAGE: Accommodate projected annual passenger growth.

OPERATING COST IMPACT: Operating cost mostly recovered through airport user fees.

POTENTIAL FUNDING SOURCE: <input checked="" type="checkbox"/> SPECIAL <input type="checkbox"/> FEDERAL <input type="checkbox"/> GENERAL <input checked="" 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	462	462	0	0	0	0	0	0	0	0	
Engineering	16,983	16,983	0	0	0	0	0	0	0	0	
Right-of-way	0	0	0	0	0	0	0	0	0	0	
Construction	119,963	76,612	43,351	0	0	0	0	0	43,351	0	
Total	137,408	94,057	43,351	0	0	0	0	0	43,351	0	
Federal-Aid	0	0	0	0	0	0	0	0	0	0	

Other funding sources are Passenger Facility Charge (PFC) revenue and revenue bonds supported by PFC revenue. 2007, 2009, 9702, 9703, 9704, 9705, 9706



PROJECT: Parking Revenue Control System at BWI Marshall Airport

DESCRIPTION: The project provides for the replacement of the existing parking system that tracks revenues and parking lot usage for management of the facilities and issues tickets to patrons using the various surface and garage facilities. The new system will bring the latest parking technology including varying payment and ticket options to each of the two garages and surface lots.

PURPOSE & NEED SUMMARY STATEMENT: A reliable system is an inherent necessity to efficiently monitor and control revenue in a parking operation. The end of life age of the current system infrastructure, need for dependable revenue control, and the availability of cost efficient new technologies will help safeguard BWI Marshall's largest revenue generator.

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 checked="" type="checkbox"/> Community Vitality |
| <input checked="" type="checkbox"/> Quality of Service | <input type="checkbox"/> Economic Prosperity |

EXPLANATION: Replacement of the aged parking revenue system provides ease of access and enhanced payment options for airport users. An updated parking system will improve space management, provide for flexible pricing and enhance financial reporting. BWI Marshall supports the movement of people, goods and State economy.

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 complete December 2015. User acceptance to continue until Fall 2016.

SIGNIFICANT CHANGE FROM FY 2016 - 21 CTP: Cost decrease of \$1.0 million due to cost savings.

USAGE: Accommodate projected annual passenger growth.

OPERATING COST IMPACT: Operating cost will be recovered through parking revenues.

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	0
Engineering	1,320	1,320	0	0	0	0	0	0	0	0	0
Right-of-way	0	0	0	0	0	0	0	0	0	0	0
Construction	7,483	7,483	0	0	0	0	0	0	0	0	0
Total	8,803	8,803	0	0	0	0	0	0	0	0	0
Federal-Aid	0	0	0	0	0	0	0	0	0	0	0



PROJECT: Loading Bridge Replacement Program at BWI Marshall Airport

DESCRIPTION: This project consists of the purchase and installation of 15 new passenger loading bridges. All new passenger loading bridges on international common use gates are being equipped with PCAir, 400 HZ power units and bag slides.

PURPOSE & NEED SUMMARY STATEMENT: These passenger loading bridges are designated as replacements of existing loading bridges which have reached or exceeded their useful life, as well as those required for ongoing capital improvements. The replacement of the loading bridges is essential to supporting the safe movement of passengers on and off aircraft using terminal facilities.

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

- | | |
|---|---|
| <input checked="" type="checkbox"/> Safety & Security | <input checked="" 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: Replacement of the aged passenger loading bridges supports the safe movement of passengers on and off aircraft. The addition of PCAir and 400 HZ power units will facilitate alternative fuel usage and improve air quality. BWI Marshall supports the movement of people, goods and State economy.

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: Multi-year construction program began Fall 2014.

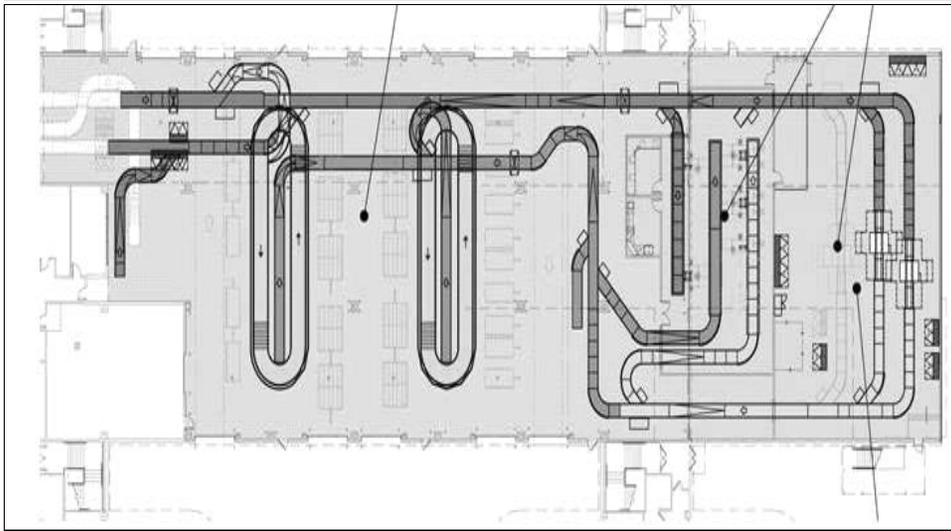
POTENTIAL FUNDING SOURCE:		<input checked="" type="checkbox"/> SPECIAL		<input checked="" type="checkbox"/> FEDERAL		<input type="checkbox"/> GENERAL		<input checked="" type="checkbox"/> OTHER			
PHASE	TOTAL		CURRENT YEAR	BUDGET YEAR	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE	
	ESTIMATED COST (\$000)	EXPEND THRU 2016			2017	20182019....2020....		2021....	....2022....
Planning	0	0	0	0	0	0	0	0	0	0	
Engineering	1,565	979	586	0	0	0	0	0	586	0	
Right-of-way	0	0	0	0	0	0	0	0	0	0	
Construction	12,183	6,466	5,717	0	0	0	0	0	5,717	0	
Total	13,748	7,445	6,303	0	0	0	0	0	6,303	0	
Federal-Aid	2,149	334	1,815	0	0	0	0	0	1,815	0	

SIGNIFICANT CHANGE FROM FY 2016 - 21 CTP: Cost increase of \$1.3 million due to addition of two new loading bridges to the program.

USAGE: Accommodate projected annual passenger growth.

OPERATING COST IMPACT: Operating cost mostly recovered through airport user fees.

Other funding sources are Passenger Facility Charge (PFC) revenue. 2015, 9701



PROJECT: International Checked Baggage Inspection System at BWI Marshall Airport

DESCRIPTION: This project will reconfigure the existing baggage screening and baggage make-up system to a more integrated baggage security and handling system. Improvements will include changes to the baggage system configuration, equipment, and baggage makeup area.

PURPOSE & NEED SUMMARY STATEMENT: The ability to maintain 100 percent electronic baggage screening, while achieving the necessary capacity to meet projected international airline departure flight schedules is dependent upon attaining the maximum utilization of bag screening technology.

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: International Building Expansion - System Preservation Minor Projects Program

EXPLANATION: This project enhances compliance with Federal Aviation Administration Part 139 SIDA and safety regulations through modernization of baggage screening processes. In addition, the improvements provide the ability to maintain 100 percent electronic baggage screening while achieving the necessary capacity to meet projected airline departure flight schedules. BWI Marshall supports the movement of people, goods and State economy.

STATUS: Construction began October 2015 with completion March 2017.

POTENTIAL FUNDING SOURCE:		<input checked="" type="checkbox"/> SPECIAL <input 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	512	343	169	0	0	0	0	0	169	0	
Right-of-way	0	0	0	0	0	0	0	0	0	0	
Construction	21,574	9,163	12,411	0	0	0	0	0	12,411	0	
Total	22,086	9,506	12,580	0	0	0	0	0	12,580	0	
Federal-Aid	0	0	0	0	0	0	0	0	0	0	

SIGNIFICANT CHANGE FROM FY 2016 - 21 CTP: None.

USAGE: Accommodate projected annual passenger growth.

OPERATING COST IMPACT: Operating cost will be recovered through airport user fees.



PROJECT: International Concourse Extension at BWI Marshall Airport

DESCRIPTION: This project consists of extending the international terminal Concourse E by 150 feet for six additional gates. The work includes constructing a new aircraft parking apron; adding passenger boarding bridges with PC Air/400 HZ capability; stormwater management improvements; extending the existing building and IT systems. The project also includes the addition of automated passport control equipment, additional restrooms, and a third bag claim device to the immigration processing area.

PURPOSE & NEED SUMMARY STATEMENT: The greatest potential growth in airline service at BWI Marshall is in international markets. US based airlines are looking to expand their business into international markets, and international carriers are seeking more access to US destinations. With current capacity constraints at the International Concourse during peak periods as well as significant increases in forecasted international traffic in the coming years, an extension of the international concourse is needed for additional aircraft gates.

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:

D/E Connector at BWI Marshall Airport -- Line 5.

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

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

EXPLANATION: Passenger ease of movement and travel options is a primary focus of the airport. These improvements provide travel flexibility and capacity for new international or expanding airline service. BWI Marshall supports the movement of people, goods and State economy.

STATUS: North Cargo area security complete. Apron and stormwater management construction began Spring 2016. Primary building structure advertised June 2016.

SIGNIFICANT CHANGE FROM FY 2016 - 21 CTP: None.

USAGE: Accommodate projected annual passenger growth.

OPERATING COST IMPACT: Operating cost mostly recovered through airport user fees.

POTENTIAL FUNDING SOURCE: <input checked="" type="checkbox"/> SPECIAL <input 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	271	271	0	0	0	0	0	0	0	0	
Engineering	13,227	13,227	0	0	0	0	0	0	0	0	
Right-of-way	0	0	0	0	0	0	0	0	0	0	
Construction	104,998	12,150	37,523	55,325	0	0	0	0	92,848	0	
Total	118,496	25,648	37,523	55,325	0	0	0	0	92,848	0	
Federal-Aid	0	0	0	0	0	0	0	0	0	0	

2047, 2048, 9693, 9694



PROJECT: Consolidated Rental Car Facility Shuttle Bus Fleet Replacement

DESCRIPTION: This project will purchase 20 clean diesel, low floor, 60 foot, articulated buses to shuttle airport passengers from the Consolidated Rental Car Facility to the BWI Marshall Airport terminal.

PURPOSE & NEED SUMMARY STATEMENT: The current fleet of 25 buses were purchased in 2003 and have passed their useful life of 12 years. The timely replacement of the existing buses with larger articulated buses will ensure sufficient capacity to handle customer growth, maintain service levels, and ensure passenger delays are not due to equipment.

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: Passenger ease of movement and airport access is a primary focus of the airport. These improvements provide reliable connections to and from the airport with capacity to support new international or expanding airline service. BWI Marshall supports the movement of people, goods and State economy.

STATUS: Procurement in FY 2017 with delivery in FY 2018.

SIGNIFICANT CHANGE FROM FY 2016 - 21 CTP: Added to the Construction Program.

USAGE: Accommodate rental car customer growth.

OPERATING COST IMPACT: Operating cost recovered through rental car user fees.

POTENTIAL FUNDING SOURCE: <input type="checkbox"/> SPECIAL <input type="checkbox"/> FEDERAL <input type="checkbox"/> GENERAL <input checked="" type="checkbox"/> OTHER											
PHASE	TOTAL		CURRENT YEAR	BUDGET YEAR	PROJECTED CASH REQUIREMENTS				SIX YEAR TOTAL	BALANCE TO COMPLETE	
	ESTIMATED COST (\$000)	EXPEND THRU 2016			YEAR 2017	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	16,000	0	0	16,000	0	0	0	0	16,000	0	
Total	16,000	0	0	16,000	0	0	0	0	16,000	0	
Federal-Aid	0	0	0	0	0	0	0	0	0	0	

Other funding sources are Customer Facility Charge (CFC) revenues.
2095



PROJECT: Environmental Assessment at Martin State Airport

DESCRIPTION: This project provides for the study necessary for the environmental assessment of Phase 1 capital projects shown on the Martin State Airport Airport Layout Plan (ALP) approved by the FAA in July 2011.

JUSTIFICATION: In accordance with Federal Aviation Administration Order 5050.4B, Airport Environmental Handbook, MAA must determine the environmental consequences of capital project development as proposed by the Airport Layout Plan.

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: Environmental assessment resuming with modified scope and targeted completion 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	1,926	1,549	377	0	0	0	0	0	377	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	0	0	0	0	0	0	0	0	0	0
Total	1,926	1,549	377	0	0	0	0	0	377	0
Federal-Aid	258	258	0	0	0	0	0	0	0	0

2010, 2011, 2012



PROJECT: Environmental Assessment at BWI Marshall Airport

DESCRIPTION: This project provides for the study necessary for the environmental assessment of Phase 1 capital projects shown on the Airport Layout Plan (ALP) to be completed by 2020.

JUSTIFICATION: In accordance with Federal Aviation Administration Order 5050.4B, Airport Environmental Handbook, MAA must determine the environmental consequences of capital project development as proposed by the Airport Layout Plan.

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: Scope definition complete with environmental assessment to begin FY 2017.

SIGNIFICANT CHANGE FROM FY 2016 - 21 CTP: None.

POTENTIAL FUNDING SOURCE: <input checked="" type="checkbox"/> SPECIAL <input type="checkbox"/> FEDERAL <input type="checkbox"/> GENERAL <input type="checkbox"/> OTHER											
PHASE	TOTAL		CURRENT YEAR	BUDGET YEAR	PROJECTED CASH REQUIREMENTS				SIX YEAR TOTAL	BALANCE TO COMPLETE	
	ESTIMATED COST (\$000)	EXPEND THRU 2016			YEAR 2017	YEAR 2018	FOR PLANNING PURPOSES ONLY2019.....		2020.....	.....2021.....	.....2022.....
Planning	0	0	0	0	0	0	0	0	0	0	0
Engineering	2,000	0	623	1,377	0	0	0	0	2,000	0	0
Right-of-way	0	0	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	0	0	0	0	0
Total	2,000	0	623	1,377	0	0	0	0	2,000	0	0
Federal-Aid	0	0	0	0	0	0	0	0	0	0	0

SYSTEM PRESERVATION MINOR PROJECTS PROGRAM

MARYLAND AVIATION ADMINISTRATION - LINE 13

ITEM NO.	DESCRIPTION AND IMPROVEMENT TYPE	TOTAL PROJECT COST (\$000's)	CONSTRUCTION START
<u>Fiscal Year 2016 Completions</u>			
<u>Airport Technology</u>			
1	BWI - CDC Phase 2 - Statewide System Access (2042)	514	Complete
2	BWI Radio Console Replacement (2036)	1,798	Complete
3	Conc C LL IT Systems Room Expansion (2049)	3,880	Complete
<u>Airside Development</u>			
4	BWI New Air Traffic Control Tower (1939)	939	Complete
5	BWI Noise Exposure Map (1913)	270	Complete
6	Comprehensive Paving FY 2013 (1908)	12,863	Complete
<u>Annual</u>			
7	Roadway Sign & Retaining Wall Structure Inspection (1906)	233	Complete
8	Wildlife Mitigation (2006)	13	Complete
<u>Baltimore/Washington</u>			
9	BWI Hotel (2008)	583	Complete
10	Comp Airport Planning Services (1901)	4,725	Complete
11	Comp Arch Eng Design Services (1902)	29	Complete
12	Comp Arch Eng Design Services-1 (1915)	2,313	Complete
13	Comp Arch Eng Design Services-2 (1912)	966	Complete
14	Underground Duct Bank (2083)	52	Complete
15	Wildlife Management Services (2019)	827	Complete
<u>Consol Rental Car Facility</u>			
16	CRCF - New Tenant Access Road and Walkway (1978)	928	Complete

SYSTEM PRESERVATION MINOR PROJECTS PROGRAM

MARYLAND AVIATION ADMINISTRATION - LINE 13 (cont'd)

ITEM NO.	DESCRIPTION AND IMPROVEMENT TYPE	TOTAL PROJECT COST (\$000's)	CONSTRUCTION START
<u>Fiscal Year 2016 Completions (cont'd)</u>			
<u>Consol Rental Car Facility (cont'd)</u>			
17	CRCF Bus Fleet Refurbishment (1972)	1,082	Complete
18	CRCF Facility Assessment (1979)	200	Complete
19	CRCF Garage Improvements (1971)	2,585	Complete
20	CRCF Walkway to Tenant Parking (1976)	909	Complete
<u>Environmental Compliance</u>			
21	Comp Environmental Compliance (9407)	3,525	Complete
22	Comp Environmental Compliance (9408)	1,218	Complete
23	Comp Environmental Planning (1900)	3,295	Complete
24	Terminal Environmental Mitigation (8105)	275	Complete
<u>Equipment</u>			
25	ARFF Equip Repl - Brush-43 #30026 (2065)	110	Complete
26	ARFF Equip Repl - Tower Unit #30089 (1999)	1,264	Complete
27	Equip - Intl Trash Compactor Replacements (2059)	90	Complete
28	MAA Shuttle Bus Mid-Life Overhaul (1930)	5,390	Complete
29	Snow Equip - Multi-Tasking Unit New (1) (2063)	701	Complete
30	Snow Equip - Multi-Tasking Unit New (1) (2064)	701	Complete
31	Snow Equip Rehab - Broom #30057 (2062)	195	Complete
32	Snow Equip Rehab - Broom #30095 (2077)	195	Complete
33	Snow Equip Rehab - Broom Unit #30171 (2061)	195	Complete
34	Snow Equip Repl - Front End Loader #9932 (2001)	334	Complete
<u>Information Tech CTIPP</u>			
35	Airport Road Electronic Signage Repl - Design Only (2044)	200	Complete

SYSTEM PRESERVATION MINOR PROJECTS PROGRAM

MARYLAND AVIATION ADMINISTRATION - LINE 13 (cont'd)

ITEM NO.	DESCRIPTION AND IMPROVEMENT TYPE	TOTAL PROJECT COST (\$000's)	CONSTRUCTION START
	<u>Fiscal Year 2016 Completions (cont'd)</u>		
	<u>Information Tech CTIPP (cont'd)</u>		
36	Hrly Garage Parking Guidance System Upgrade - Design Only (1931)	935	Complete
	<u>Intl Infrastructure</u>		
37	Air Handler 6 and 7 Replacement (9698)	400	Complete
38	International Building Expansion (9700)	8,193	Complete
39	International Building Outfall Pipe (9696)	3,306	Complete
40	Mobile Lounges (9697)	982	Complete
41	New North Terminal Substation NT - D1 (9699)	680	Complete
	<u>Landside Development</u>		
42	Air Cargo Drive North Pavement Rehabilitation (2030)	2,070	Complete
43	BWI Hotel - Former Four Points (2038)	2,878	Complete
44	Inbound I-195 at MD 170 Roadway Improvements (9324)	805	Complete
45	MD 170 Sign Changes (2050)	1,058	Complete
	<u>Martin State</u>		
46	MTN - Corporate Hangar Roof Replacement (2043)	1,852	Complete
47	MTN Storm Drain Pipe Replacement (2057)	1,789	Complete
48	MTN Trailer Replacement (2052)	291	Complete
	<u>PMP Airfield Improvement</u>		
49	ARFF Airfield Access Road (7775)	116	Complete
50	Emergency Taxiway Repairs (7774)	4,016	Complete
51	Taxiway A Pavement Rehabilitation (7738)	5	Complete

SYSTEM PRESERVATION MINOR PROJECTS PROGRAM

MARYLAND AVIATION ADMINISTRATION - LINE 13 (cont'd)

ITEM NO.	DESCRIPTION AND IMPROVEMENT TYPE	TOTAL PROJECT COST (\$000's)	CONSTRUCTION START
<u>Fiscal Year 2016 Completions (cont'd)</u>			
<u>PMP Airfield Improvement (cont'd)</u>			
52	Taxiway R Repairs (7763)	459	Complete
<u>Security</u>			
53	TSA Baggage Screening Improvements Ph 2 (8999)	1,918	Complete
54	TSA Piers A/B Bag Screening Equip Replacement (8998)	5,049	Complete
<u>Terminal Development</u>			
55	ADA Restroom Access and Improvements (9418)	1,043	Complete
56	BWI Communications (2080)	299	Complete
57	Central Terminal Elevator Upgrade (2033)	955	Complete
58	Common Use Domestic Facilities (7503)	1,385	Complete
59	Conc C Holdroom & Terminal Charging Stations (2035)	652	Complete
60	Concourse B International Ticket Counters (2054)	1,969	Complete
61	Lease Agreement Assets (9884)	1,736	Complete
62	NT Substation Replacements (2032)	7,877	Complete
63	Observation Gallery & C Corridor Improvements (9881)	2,202	Complete
64	Terminal and ARFF Glass Improvements (2045)	3,035	Complete
65	Terminal Improvement Project (7017)	6,585	Complete
66	Terminal Interior / Exterior Modifications (2014)	10,753	Complete
67	Terminal Office Relocation Phase 3 (9013)	1,095	Complete
68	Terminal Wide Restroom Mirror Replacement (2041)	547	Complete

SYSTEM PRESERVATION MINOR PROJECTS PROGRAM

MARYLAND AVIATION ADMINISTRATION - LINE 13 (cont'd)

ITEM NO.	DESCRIPTION AND IMPROVEMENT TYPE	FY17 + FY18 PROJECT COST (\$000's)	CONSTRUCTION START
<u>Fiscal Year 2017 and 2018</u>			
<u>Airport Technology</u>			
69	IT Equipment (1456)	2,400	Ongoing
70	Airport Project Administration System (AirPass) (2040)	883	Underway
<u>Airside Development</u>			
71	Comp Pavement Markings FY15 (1909)	200	Fall, 2016
72	Comprehensive Paving FY 2016 (2108)	7,350	Ongoing
<u>Annual</u>			
73	Facility Management Program (7600)	200	Ongoing
74	MAA Noise Prop AA Sewer Assessment (1905)	96	Ongoing
75	Parking Garage Structure Inspection (1463)	130	Ongoing
76	Real Estate Administrative Services (7019)	50	Ongoing
77	Real Estate Property Services (7018)	50	Ongoing
78	Bridge Inspection (SHA Consultant) (1023)	130	Underway
79	Comprehensive Regional Air Passenger Survey (1486)	100	Underway
80	Prof Services GIS, SUE and Engineering Data (2016)	1,400	Underway
81	Security and Life Safety Systems CAD Update (2079)	600	Underway
82	Utility Designating (2017)	250	Underway
83	Wildlife Deterrent Unit Inspections (1904)	10	Underway
<u>Baltimore/Washington</u>			
84	Building Permits and Inspections (1390)	300	Ongoing
85	Comp Construction Mgmt & Inspection (8016)	250	Ongoing
86	Fire Protection Engineer Services (1173)	500	Ongoing
87	Wildlife Management Plan (1181)	20	Ongoing

SYSTEM PRESERVATION MINOR PROJECTS PROGRAM

MARYLAND AVIATION ADMINISTRATION - LINE 13 (cont'd)

ITEM NO.	DESCRIPTION AND IMPROVEMENT TYPE	FY17 + FY18 PROJECT COST (\$000's)	CONSTRUCTION START
<u>Fiscal Year 2017 and 2018 (cont'd)</u>			
<u>Baltimore/Washington (cont'd)</u>			
88	BTC - BWI and MTN Minors (1062)	7,000	Underway
89	BWI Aerial Photogrammetry & Airspace Analysis (1959)	250	Underway
90	Capital Financial Services (2018)	500	Underway
91	Comp Acoustical Services Contract (1918)	400	Underway
92	Comp Airport Planning Services (1949)	1,000	Underway
93	Comp Airport Planning Services (1951)	1,000	Underway
94	Comp Arch Eng Design Services (1954)	700	Underway
95	Comp Arch Eng Design Services (1955)	700	Underway
96	Comp Arch Eng Design Services (1956)	700	Underway
97	Comp Arch Eng Design Services (1957)	700	Underway
98	Comp Arch Eng Design Services (1958)	700	Underway
99	Comp Commercial Facilities & Business Planning Services (1274)	200	Underway
100	Comp Const Mgmt Services (1952)	700	Underway
101	Comp Construction Mgmt & Inspection (1953)	800	Underway
102	Comp Financial Planning & Analysis Services (2082)	200	Underway
103	Comp Professional Program Mgmt (1916)	100	Underway
104	Comp Real Estate Services (1919)	400	Underway
105	Comprehensive AIT Services (1292)	1,150	Underway
106	MBE Support Services (1950)	180	Underway
107	Pavement Management BWI/MTN (1943)	400	Underway
108	Wildlife Management Services (2078)	800	Underway
<u>Consol Rental Car Facility</u>			
109	CRCF ADA Improvements - CSB and BMF Facility (2094)	41	Fall, 2016
110	CRCF Bus Maintenance Facility FY16 Bldg Impv (2091)	872	Fall, 2016
111	CRCF CSB and Garage FY16 Bldg Impv (2090)	581	Fall, 2016
112	CRCF Pavement Rehabilitation (2093)	2,250	Spring, 2017

SYSTEM PRESERVATION MINOR PROJECTS PROGRAM

MARYLAND AVIATION ADMINISTRATION - LINE 13 (cont'd)

ITEM NO.	DESCRIPTION AND IMPROVEMENT TYPE	FY17 + FY18 PROJECT COST (\$000's)	CONSTRUCTION START
	<u>Fiscal Year 2017 and 2018 (cont'd)</u>		
	<u>Consol Rental Car Facility (cont'd)</u>		
113	CRCF Used Articulated Buses FY16 (2092)	310	Underway
	<u>Environmental Compliance</u>		
114	Comp Environmental Compliance (2056)	1,500	Underway
115	Comp Environmental Planning (1899)	1,000	Underway
116	Environmental Compliance - 3rd Party Audit (1898)	30	Underway
117	Stream and Wetland Restoration Mitigation Services (1948)	90	Underway
118	Terminal Environmental Mitigation (8106)	200	Underway
	<u>Equipment</u>		
119	ARFF Eqmt Repl - Rescue Truck Unit #30244 (2100)	1,290	Fall, 2017
120	Equip Repl - MTN Bat Wing Tractors (2) (2103)	35	Fall, 2017
121	Equip Repl - MTN Lawn Mowers (2) (2104)	27	Fall, 2017
122	Equip Repl - MTN Steel Skid Loader #9752 (2101)	81	Fall, 2017
123	MTN Snow Equip - Snow Melters New (2) (2099)	300	Fall, 2017
124	Procurement Storage Trailers (2102)	143	Fall, 2017
125	Snow Equip - Snow Grooming Vehicle New (2105)	146	Fall, 2017
126	Snow Equip Rep. - Rotary Plow #30097 (2096)	646	Fall, 2017
127	Snow Equip Repl - De-Icing Truck #30166 (2098)	194	Fall, 2017
128	Snow Equip Repl - Displacement Plow #30098 (2097)	500	Fall, 2017
129	ARFF Equip Rehab - Tanker-43 #9836 (2076)	125	Underway
130	ARFF Equip Repl - Ambulance #30324 (2000)	325	Underway
131	Equip Repl - MTN Tractor #9897 (2058)	74	Underway
132	Equip Repl - Paint Truck #30091 (2075)	312	Underway
133	Equip Repl - Tractors (4) (2074)	310	Underway
134	Operating Vehicles (2053)	359	Underway

SYSTEM PRESERVATION MINOR PROJECTS PROGRAM

MARYLAND AVIATION ADMINISTRATION - LINE 13 (cont'd)

ITEM NO.	DESCRIPTION AND IMPROVEMENT TYPE	FY17 + FY18 PROJECT COST (\$000's)	CONSTRUCTION START
<u>Fiscal Year 2017 and 2018 (cont'd)</u>			
<u>Equipment (cont'd)</u>			
135	Portable Snowmelters (New) (9402)	5,000	Underway
136	Snow Equip Repl - De-Icing Truck #9952 (2073)	187	Underway
137	Snow Equip Repl - Dump Trucks (2) (2002)	113	Underway
138	Snow Equip Repl - Front End Loader #9634 (2066)	347	Underway
139	Snow Equip Repl - Front End Loader #9891 (2069)	347	Underway
140	Snow Equip Repl - Front End Loader #9931 (2070)	347	Underway
141	Snow Equip Repl - Front End Loader #9944 (2071)	347	Underway
142	Snow Equip Repl - Tandum Dump #9834 (2067)	106	Underway
143	Snow Equip Repl - Tandum Dump #9856 (2068)	166	Underway
144	Snow Equip Repl - Tractor Trailer #9949 (2072)	156	Underway
<u>Information Tech CTIPP</u>			
145	Permanent Noise Monitoring System Replacement (7405)	2,000	Underway
<u>Intl Infrastructure</u>			
146	Conc Infrastructure Improvements (9695)	3,371	Underway
<u>Landside Development</u>			
147	Daily Garage Inspection Repairs (1921)	509	Underway
148	Protective Land Acquisition (1137)	300	Underway
<u>Martin State</u>			
149	MTN Additional Storage Tanks in Fuel Farm - Design (9420)	10	Fall, 2017
150	MTN Air Traffic Control Tower (1121)	950	Fall, 2017

SYSTEM PRESERVATION MINOR PROJECTS PROGRAM

MARYLAND AVIATION ADMINISTRATION - LINE 13 (cont'd)

ITEM NO.	DESCRIPTION AND IMPROVEMENT TYPE	FY17 + FY18 PROJECT COST (\$000's)	CONSTRUCTION START
<u>Fiscal Year 2017 and 2018 (cont'd)</u>			
<u>Martin State (cont'd)</u>			
151	MTN Obstruction Removal (9431)	319	Fall, 2017
<u>Regional Aviation</u>			
152	Aid to Public/Private Airports (MAPA-90%) (1106)	2,325	Underway
153	Regional Aviation Program (1107)	1,525	Underway
154	Statewide Aviation Grants (AIP-5%) (1105)	1,500	Underway
<u>Security</u>			
155	Security Initiatives (1298)	1,600	Ongoing
156	Exit Lane Technology (2028)	150	Underway
<u>Terminal Development</u>			
157	County Sewer and Water Capital Improvements (1028)	1,200	Ongoing
158	Terminal Leasehold Modifications (7500)	400	Ongoing
159	Tenant Terminal Relocations (7504)	8,000	Underway
160	Terminal Interior / Exterior Modifications - SBR (2215)	2,000	Underway
161	Terminal Interior / Exterior Modifications (2114)	1,923	Underway
162	Terminal Interior / Exterior Modifications (2214)	6,750	Underway