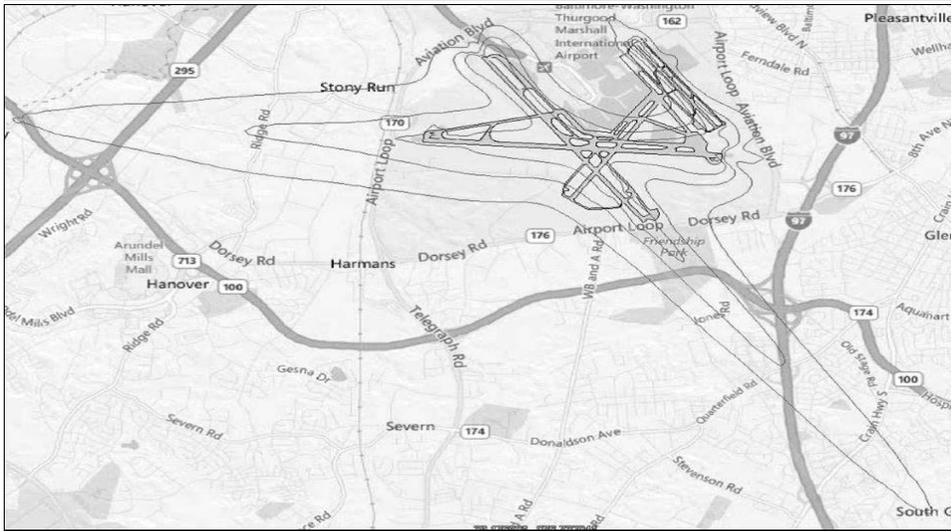


MARYLAND AVIATION ADMINISTRATION

**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	109.2	73.6	0.9	0.9	0.9	0.9	186.5
System Preservation Minor Projects	58.3	37.9	29.7	25.5	25.2	28.2	204.9
<u>Development & Evaluation Program</u>	<u>2.8</u>	<u>6.4</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>9.2</u>
SUBTOTAL	170.3	117.9	30.6	26.4	26.2	29.2	400.6
<u>Capital Salaries, Wages & Other Costs</u>	<u>6.7</u>	<u>6.5</u>	<u>5.8</u>	<u>6.1</u>	<u>6.1</u>	<u>6.1</u>	<u>37.3</u>
TOTAL	177.0	124.4	36.4	32.5	32.3	35.3	437.9
Special Funds	125.9	101.1	24.8	24.5	28.0	31.0	335.2
Federal Funds	8.3	5.5	4.3	4.3	4.3	4.3	30.9
Other Funding *	42.8	17.8	7.4	3.8	-	-	71.8
<u>Other Funding Breakdown*</u>							
CFC	4.6	16.0	-	-	-	-	20.6
PFC	<u>38.2</u>	<u>1.8</u>	<u>7.4</u>	<u>3.8</u>	<u>-</u>	<u>-</u>	<u>51.2</u>
	42.8	17.8	7.4	3.8	-	-	71.8



PROJECT: Residential Sound Insulation Program

DESCRIPTION: This voluntary program provides for the mitigation of aircraft noise for residential properties that fall within the current Noise Exposure Map (NEM) approved by the Federal Aviation Administration and meet other eligibility requirements of the program. Homeowners may elect to have their home sound insulated to an interior noise level of 45 DNL in accordance with MAA standards. The State receives an aviation easement for each property participating in the program.

PURPOSE & NEED SUMMARY STATEMENT: This program enhances the home environment for residents in communities neighboring BWI Marshall Airport that are located within the NEM contours by providing sound insulation improvements to their homes.

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 Airport.

STATUS: This program replaces the Homeowner Assistance Program. The new noise contour maps were approved by FAA in August 2016.

SIGNIFICANT CHANGE FROM FY 2016 - 21 CTP: 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 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	18	0	3	3	3	3	3	3	18	0	
Right-of-way	5,618	0	937	937	936	936	936	936	5,618	0	
Construction	0	0	0	0	0	0	0	0	0	0	
Total	5,636	0	940	940	939	939	939	939	5,636	0	
Federal-Aid	4,680	0	780	780	780	780	780	780	4,680	0	



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, Runway 10-28 NAVAIDS, and Taxiway C complete 2016. Property acquisitions 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	11,169	11,090	79	0	0	0	0	0	79	0
Right-of-way	503	8	495	0	0	0	0	0	495	0
Construction	60,575	54,412	6,163	0	0	0	0	0	6,163	0
Total	72,394	65,657	6,737	0	0	0	0	0	6,737	0
Federal-Aid	26,255	22,133	4,122	0	0	0	0	0	4,122	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. Final invoices outstanding.

SIGNIFICANT CHANGE FROM FY 2016 - 21 CTP: Cost decrease of \$4.1 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 ESTIMATED COST (\$000)	CURRENT EXPEND THRU 2016	CURRENT BUDGET YEAR 2017	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY	SIX YEAR TOTAL	BALANCE TO COMPLETE					
Planning	166	166	0	0	0	0	0	0	0	0	0
Engineering	27,178	26,563	615	0	0	0	0	0	0	615	0
Right-of-way	0	0	0	0	0	0	0	0	0	0	0
Construction	120,204	118,628	1,576	0	0	0	0	0	0	1,576	0
Total	147,548	145,357	2,191	0	0	0	0	0	0	2,191	0
Federal-Aid	41,267	41,267	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, 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 August 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 \$7.5 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				PROJECTED CASH REQUIREMENTS				SIX YEAR TOTAL	BALANCE TO COMPLETE	
	ESTIMATED COST (\$000)	EXPEND THRU 2016	CURRENT YEAR 2017	BUDGET YEAR 2018	FOR PLANNING PURPOSES ONLY	FOR PLANNING PURPOSES ONLY	FOR PLANNING PURPOSES ONLY	FOR PLANNING PURPOSES ONLY		YEAR	TO COMPLETE
Planning	166	166	0	0	0	0	0	0	0	0	0
Engineering	9,226	8,907	319	0	0	0	0	0	0	319	0
Right-of-way	0	0	0	0	0	0	0	0	0	0	0
Construction	111,751	91,478	20,273	0	0	0	0	0	0	20,273	0
Total	121,143	100,551	20,592	0	0	0	0	0	0	20,592	0
Federal-Aid	29,429	27,100	2,329	0	0	0	0	0	0	2,329	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. Sterile corridor opened May 2016. Relocated security checkpoint and connector opened November 2016. Completion in fiscal year 2017.

SIGNIFICANT CHANGE FROM FY 2016 - 21 CTP: Cost decrease of \$5.1 million reflects change to bid and final costs for completed work elements.

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		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	462	462	0	0	0	0	0	0	0	0	0
Engineering	17,854	17,484	370	0	0	0	0	0	370	0	0
Right-of-way	0	0	0	0	0	0	0	0	0	0	0
Construction	113,969	89,617	24,352	0	0	0	0	0	24,352	0	0
Total	132,285	107,563	24,722	0	0	0	0	0	24,722	0	0
Federal-Aid	0	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: Open for use December 2015. User acceptance complete November 2016. Awaiting final closeout.

SIGNIFICANT CHANGE FROM FY 2016 - 21 CTP: Cost decrease of \$1.0 million reflects anticipated final costs..

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				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
Planning	0	0	0	0	0	0	0	0	0	0	0
Engineering	1,308	1,281	27	0	0	0	0	0	0	27	0
Right-of-way	0	0	0	0	0	0	0	0	0	0	0
Construction	7,483	7,010	473	0	0	0	0	0	0	473	0
Total	8,791	8,291	500	0	0	0	0	0	0	500	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 Airport 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 with targeted completion by end of fiscal year 2017.

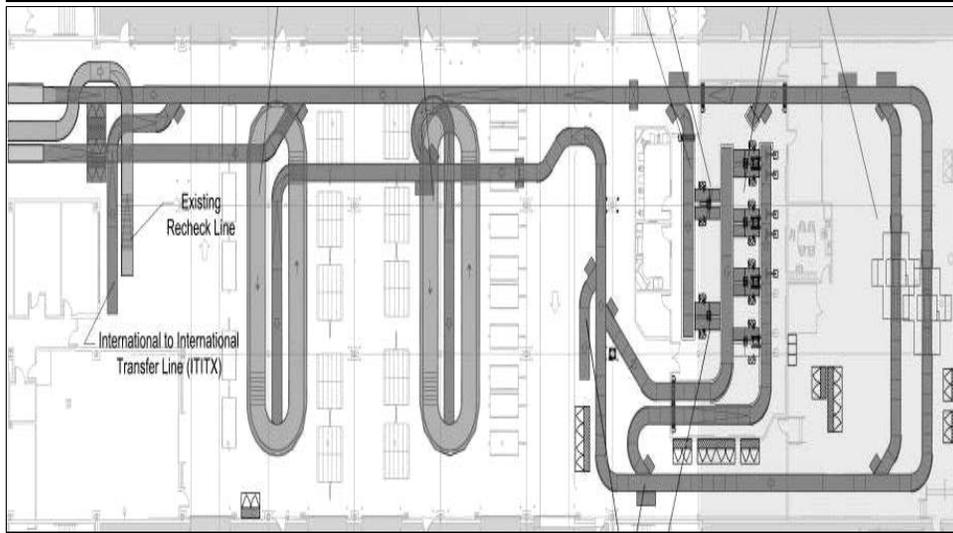
SIGNIFICANT CHANGE FROM FY 2016 - 21 CTP: Cost increase of \$1.3 million due to addition of two new loading bridges to the program.

USAGE: Accommodate projected annual passenger growth.

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

POTENTIAL FUNDING SOURCE:											
<input 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		YEAR	TO COMPLETE
Planning	0	0	0	0	0	0	0	0	0	0	0
Engineering	1,569	889	680	0	0	0	0	0	0	680	0
Right-of-way	0	0	0	0	0	0	0	0	0	0	0
Construction	12,223	7,405	4,818	0	0	0	0	0	0	4,818	0
Total	13,792	8,294	5,498	0	0	0	0	0	0	5,498	0
Federal-Aid	2,156	1,088	1,068	0	0	0	0	0	0	1,068	0

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:
None.

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		YEAR	TO COMPLETE
Planning	0	0	0	0	0	0	0	0	0	0	0
Engineering	695	536	159	0	0	0	0	0	159	0	0
Right-of-way	0	0	0	0	0	0	0	0	0	0	0
Construction	21,574	12,965	8,609	0	0	0	0	0	8,609	0	0
Total	22,269	13,501	8,768	0	0	0	0	0	8,768	0	0
Federal-Aid	0	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 Airport supports the movement of people, goods and State economy.

STATUS: North Cargo area security complete. Apron and stormwater management began Spring 2016 and will be substantially complete December 2016. Primary building structure to begin construction in early 2017 with completion in mid-2018.

SIGNIFICANT CHANGE FROM FY 2016 - 21 CTP: Cost decrease of \$3.5 million reflects reduction in final cost for automated passport control devices and related immigration area improvements.

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 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	271	271	0	0	0	0	0	0	0	0	
Engineering	13,235	8,663	4,572	0	0	0	0	0	4,572	0	
Right-of-way	0	0	0	0	0	0	0	0	0	0	
Construction	101,540	10,225	34,636	56,679	0	0	0	0	91,315	0	
Total	115,046	19,159	39,208	56,679	0	0	0	0	95,887	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 compressed natural gas, 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 Airport 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 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	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 source is 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 of early 2018.

SIGNIFICANT CHANGE FROM FY 2016 - 21 CTP: None.

POTENTIAL FUNDING SOURCE: SPECIAL FEDERAL GENERAL 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	2,548	1,458	377	713	0	0	0	0	1,090	0
Engineering	3	3	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	2,551	1,461	377	713	0	0	0	0	1,090	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 started 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: Environmental assessment began Summer 2016 with targeted completion of December 2017.

SIGNIFICANT CHANGE FROM FY 2016 - 21 CTP: Cost increase of \$1.1 million reflects higher bid cost based on scope of program.

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		TO COMPLETE	TO COMPLETE
					.....2019.....	.....2020.....	.....2021.....	.....2022.....			
Planning	3,140	61	1,437	1,642	0	0	0	0	3,079	0	0
Engineering	0	0	0	0	0	0	0	0	0	0	0
Right-of-way	0	0	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	0	0	0	0	0
Total	3,140	61	1,437	1,642	0	0	0	0	3,079	0	0
Federal-Aid	0	0	0	0	0	0	0	0	0	0	0



PROJECT: Aircraft Maintenance Facility Infrastructure at BWI Marshall Airport

DESCRIPTION: This project provides the infrastructure improvements in support of the development of an aircraft maintenance facility at BWI Marshall Airport. The improvements will include utility infrastructure, site grading, and an aircraft parking apron. Landside and airside access routes will be provided to support operations.

JUSTIFICATION: At BWI Marshall Airport, airlines need to perform periodic or incidental maintenance on their aircraft. There is insufficient space at the airline gates or within the terminal and adjacent areas for airlines to perform aircraft maintenance functions. The site provides sufficient area for a facility that will support aircraft maintenance needs.

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: Planning and preliminary design underway.

POTENTIAL FUNDING SOURCE: SPECIAL FEDERAL GENERAL OTHER

SIGNIFICANT CHANGE FROM FY 2016 - 21 CTP: Added to Development and Evaluation Program.

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	5,000	0	1,000	4,000	0	0	0	0	5,000	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	5,000	0	1,000	4,000	0	0	0	0	5,000	0
Federal-Aid	0	0	0	0	0	0	0	0	0	0

SYSTEM PRESERVATION MINOR PROJECTS PROGRAM

MARYLAND AVIATION ADMINISTRATION - LINE 14

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)	518	Complete
2	BWI Radio Console Replacement (2036)	1,787	Complete
<u>Annual</u>			
3	Roadway Sign & Retaining Wall Structure Inspection (1906)	233	Complete
<u>Baltimore/Washington</u>			
4	BWI Hotel (2008)	588	Complete
5	BWI Master Plan (1013)	6,430	Complete
6	Comp Airport Planning Services (1901)	4,730	Complete
7	Comp Arch Eng Design Services-1 (1915)	2,296	Complete
8	Underground Duct Bank (2083)	52	Complete
9	Wildlife Management Services (2019)	827	Complete
<u>Consol Rental Car Facility</u>			
10	CRCF Garage Improvements (1971)	2,585	Complete
11	CRCF Walkway to Tenant Parking (1976)	909	Complete
<u>Environmental Compliance</u>			
12	Comp Environmental Compliance (9407)	3,647	Complete
13	Comp Environmental Compliance (9408)	1,218	Complete

SYSTEM PRESERVATION MINOR PROJECTS PROGRAM

MARYLAND AVIATION ADMINISTRATION - LINE 14 (cont'd)

ITEM NO.	DESCRIPTION AND IMPROVEMENT TYPE	TOTAL PROJECT COST (\$000's)	CONSTRUCTION START
<u>Fiscal Year 2016 Completions (cont'd)</u>			
<u>Equipment</u>			
14	Snow Equip - Multi-Tasking Unit New (1) (2063)	701	Complete
15	Snow Equip - Multi-Tasking Unit New (1) (2064)	701	Complete
16	Snow Equip Rehab - Broom #30057 (2062)	196	Complete
17	Snow Equip Rehab - Broom #30095 (2077)	196	Complete
18	Snow Equip Rehab - Broom Unit #30171 (2061)	196	Complete
19	Snow Equip Repl - Front End Loader #9932 (2001)	176	Complete
<u>Intl Infrastructure</u>			
20	Air Handler 6 and 7 Replacement (9698)	400	Complete
21	International Building Outfall Pipe (9696)	3,307	Complete
22	New North Terminal Substation NT - D1 (9699)	680	Complete
<u>Landside Development</u>			
23	Air Cargo Drive North Pavement Rehabilitation (2030)	2,070	Complete
24	BWI Hotel - Former Four Points (2038)	2,878	Complete
25	Inbound I-195 at MD 170 Roadway Improvements (9324)	812	Complete
26	MD 170 Sign Changes (2050)	1,058	Complete
<u>Martin State</u>			
27	MTN - Corporate Hangar Roof Replacement (2043)	1,852	Complete
28	MTN Storm Drain Pipe Replacement (2057)	1,702	Complete
29	MTN Trailer Replacement (2052)	292	Complete

SYSTEM PRESERVATION MINOR PROJECTS PROGRAM

MARYLAND AVIATION ADMINISTRATION - LINE 14 (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</u>			
30	Emergency Taxiway Repairs (7774)	4,016	Complete
<u>Security</u>			
31	TSA Piers A/B Bag Screening Equip Replacement (8998)	4,819	Complete
<u>Terminal Development</u>			
32	ADA Restroom Access and Improvements (9418)	1,043	Complete
33	Central Terminal Elevator Upgrade (2033)	959	Complete
34	Lease Agreement Assets (9884)	1,736	Complete
35	Observation Gallery & C Corridor Improvements (9881)	2,202	Complete
36	Terminal and ARFF Glass Improvements (2045)	3,042	Complete
37	Terminal Improvement Project (7017)	6,585	Complete

SYSTEM PRESERVATION MINOR PROJECTS PROGRAM

MARYLAND AVIATION ADMINISTRATION - LINE 14 (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>			
38	IT Equipment (1456)	2,200	Ongoing
39	Airport Project Administration System (AirPass) (2040)	883	Underway
40	Conc C LL IT Systems Room Expansion (2049)	3	Underway
<u>Airside Development</u>			
41	ARFF Airfield Access Road (7775)	8	Underway
42	BWI New Air Traffic Control Tower (1939)	17	Underway
43	BWI Noise Exposure Map (1913)	8	Underway
44	Comp Pavement Markings FY17 (1909)	100	Underway
45	Comprehensive Paving FY 2013 (1908)	6	Underway
46	Comprehensive Paving FY 2016 (2108)	7,134	Underway
<u>Annual</u>			
47	Facility Management Program (7600)	200	Ongoing
48	Parking Garage Structure Inspection (1463)	132	Ongoing
49	Real Estate Administrative Services (7019)	50	Ongoing
50	Real Estate Property Services (7018)	50	Ongoing
51	Bridge Inspection (SHA Consultant) (1023)	130	Underway
52	Comprehensive Regional Air Passenger Survey (1486)	100	Underway
53	MAA Noise Prop AA Sewer Assessment (1905)	96	Underway
54	Prof Services GIS, SUE and Eng Data Part I (2085)	1,000	Underway
55	Prof Services GIS, SUE and Eng Data Part II (2086)	312	Underway
56	Prof Services GIS, SUE and Engineering Data (2016)	88	Underway
57	Security and Life Safety Systems CAD Update (2079)	600	Underway
58	Utility Designating (2017)	278	Underway
59	Wildlife Deterrent Unit Inspections (1904)	10	Underway

SYSTEM PRESERVATION MINOR PROJECTS PROGRAM

MARYLAND AVIATION ADMINISTRATION - LINE 14 (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>Annual (cont'd)</u>		
60	Wildlife Mitigation (2006)	2	Underway
	<u>Baltimore/Washington</u>		
61	Building Permits and Inspections (1390)	300	Ongoing
62	Comp Construction Mgmt & Inspection (8016)	175	Ongoing
63	Fire Protection Engineer Services (1173)	506	Ongoing
64	Wildlife Management Plan (1181)	120	Ongoing
65	BTC - BWI and MTN Minors (1062)	3,500	Underway
66	BWI Aerial Photogrammetry & Airspace Analysis (1959)	200	Underway
67	Capital Financial Services (2018)	500	Underway
68	Comp Acoustical Services Contract (1918)	392	Underway
69	Comp Airport Planning Services (1949)	1,541	Underway
70	Comp Airport Planning Services (1951)	991	Underway
71	Comp Arch Eng Design Services (1902)	2	Underway
72	Comp Arch Eng Design Services (1954)	651	Underway
73	Comp Arch Eng Design Services (1955)	700	Underway
74	Comp Arch Eng Design Services (1956)	700	Underway
75	Comp Arch Eng Design Services (1957)	600	Underway
76	Comp Arch Eng Design Services (1958)	595	Underway
77	Comp Arch Eng Design Services-2 (1912)	21	Underway
78	Comp Commercial Facilities & Business Planning Services (1274)	200	Underway
79	Comp Const Mgmt Services (1952)	700	Underway
80	Comp Construction Mgmt & Inspection (1953)	657	Underway
81	Comp Financial Planning & Analysis Services (2082)	200	Underway
82	Comp Professional Program Mgmt (1916)	100	Underway
83	Comp Real Estate Services (2119)	400	Underway
84	Comprehensive AIT Services (1292)	1,150	Underway

SYSTEM PRESERVATION MINOR PROJECTS PROGRAM

MARYLAND AVIATION ADMINISTRATION - LINE 14 (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>			
85	MBE Support Services (1950)	180	Underway
86	Pavement Management BWI/MTN (1943)	411	Underway
87	Wildlife Management Services (2078)	800	Underway
<u>Consol Rental Car Facility</u>			
88	CRCF - New Tenant Access Road and Walkway (1978)	67	Underway
89	CRCF ADA Improvements - CSB and BMF Facility (2094)	46	Underway
90	CRCF Bus Fleet Refurbishment (1972)	78	Underway
91	CRCF Bus Maintenance Facility FY16 Bldg Impv (2091)	920	Underway
92	CRCF CSB and Garage FY16 Bldg Impv (2090)	595	Underway
93	CRCF Facility Assessment (1979)	60	Underway
94	CRCF Pavement Rehabilitation (2093)	2,358	Underway
95	CRCF Used Articulated Buses FY16 (2092)	468	Underway
<u>Environmental Compliance</u>			
96	Comp Environmental Compliance (2056)	1,292	Underway
97	Comp Environmental Compliance (2084)	208	Underway
98	Comp Environmental Planning (1899)	858	Underway
99	Comp Environmental Planning (1900)	142	Underway
100	Environmental Compliance - 3rd Party Audit (1898)	30	Underway
101	Stream and Wetland Restoration Mitigation Services (1948)	90	Underway
102	Terminal Environmental Mitigation (8106)	200	Underway
<u>Equipment</u>			
103	ARFF Eqmt Repl - Rescue Truck Unit #30244 (2100)	1,290	Fall, 2017

SYSTEM PRESERVATION MINOR PROJECTS PROGRAM

MARYLAND AVIATION ADMINISTRATION - LINE 14 (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>			
104	Compact Crawler Boom Lift (2107)	189	Fall, 2017
105	Equip Repl - MTN Bat Wing Tractors (2) (2103)	51	Fall, 2017
106	Equip Repl - MTN Lawn Mowers (2) (2104)	27	Fall, 2017
107	Equip Repl - MTN Steel Skid Loader #9752 (2101)	81	Fall, 2017
108	MTN Snow Equip - Snow Melters New (2) (2099)	150	Fall, 2017
109	Snow Equip Repl - De-Icing Truck #30166 (2098)	194	Fall, 2017
110	Snow Equip Repl - Rotary Plow #30097 (2096)	600	Fall, 2017
111	ARFF Equip Rehab - Tanker-43 #9836 (2076)	125	Underway
112	ARFF Equip Repl - Ambulance #30324 (2000)	365	Underway
113	ARFF Equip Repl - Brush-43 #30026 (2065)	110	Underway
114	ARFF Equip Repl - Tower Unit #30089 (1999)	1,264	Underway
115	Equip - Intl Trash Compactor Replacements (2059)	90	Underway
116	Equip Repl - MTN Tractor #9897 (2058)	74	Underway
117	Equip Repl - Paint Truck #30091 (2075)	313	Underway
118	Equip Repl - Tractors (4) (2074)	310	Underway
119	MAA Shuttle Bus Mid-Life Overhaul (1930)	281	Underway
120	Operating Vehicles (2053)	276	Underway
121	Portable Snowmelters (New) (9402)	5,157	Underway
122	Procurement Storage Trailers (2102)	148	Underway
123	Snow Equip Repl - De-Icing Truck #9952 (2073)	187	Underway
124	Snow Equip Repl - Dump Trucks (2) (2002)	57	Underway
125	Snow Equip Repl - Front End Loader #9891 (2069)	190	Underway
126	Snow Equip Repl - Front End Loader #9931 (2070)	190	Underway
127	Snow Equip Repl - Front End Loader #9944 (2071)	354	Underway
128	Snow Equip Repl - Tractor Trailer #9949 (2072)	156	Underway

SYSTEM PRESERVATION MINOR PROJECTS PROGRAM

MARYLAND AVIATION ADMINISTRATION - LINE 14 (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>Information Tech CTIPP</u>			
129	Airport Road Electronic Signage Repl - Design Only (2044)	51	Underway
130	Hrly Garage Parking Guidance System Upgrade - Design Only (1931)	143	Underway
131	Permanent Noise Monitoring System Replacement (7405)	1,437	Underway
<u>Intl Infrastructure</u>			
132	Conc Infrastructure Improvements (9695)	6,150	Underway
133	International Building Expansion (9700)	875	Underway
134	Mobile Lounges (9697)	328	Underway
<u>Landside Development</u>			
135	Daily Garage Inspection Repairs (1921)	593	Underway
136	Protective Land Acquisition (1137)	300	Underway
<u>Martin State</u>			
137	MTN Additional Storage Tanks in Fuel Farm - Design (9420)	10	Summer, 2017
138	MTN Obstruction Removal (9431)	319	Summer, 2017
139	MTN Air Traffic Control Tower (1121)	950	Underway
140	MTN Water Supply for Fire System (1433)	86	Underway
<u>Regional Aviation</u>			
141	Aid to Public/Private Airports (MAPA-90%) (1106)	1,825	Underway
142	Regional Aviation Program (1107)	1,525	Underway
143	Statewide Aviation Grants (AIP-5%) (1105)	1,500	Underway

SYSTEM PRESERVATION MINOR PROJECTS PROGRAM

MARYLAND AVIATION ADMINISTRATION - LINE 14 (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>Security</u>			
144	Exit Lane Technology A/B Concourse (2028)	195	Underway
145	Security Initiatives (1298)	1,600	Underway
146	TSA Baggage Screening Improvements Ph 2 (8999)	5	Underway
<u>Terminal Development</u>			
147	County Sewer and Water Capital Improvements (1028)	1,200	Ongoing
148	Terminal Leasehold Modifications (7500)	417	Ongoing
149	ALP Design Program (2110)	6,200	Underway
150	ARC Flash Hazards (2109)	608	Underway
151	BWI Website Redevelopment (2080)	219	Underway
152	Common Use Domestic Facilities (7503)	46	Underway
153	Conc C Holdroom & Terminal Charging Stations (2035)	48	Underway
154	Concourse B International Ticket Counters (2054)	93	Underway
155	NT Substation Replacements (2032)	6	Underway
156	Tenant Terminal Relocations (7504)	8,184	Underway
157	Terminal Interior / Exterior Modifications - SBR (2215)	1,358	Underway
158	Terminal Interior / Exterior Modifications (2014)	1	Underway
159	Terminal Interior / Exterior Modifications (2114)	2,512	Underway
160	Terminal Interior / Exterior Modifications (2214)	8,091	Underway
161	Terminal Office Relocation Phase 3 (9013)	3	Underway
162	Terminal Wide Restroom Mirror Replacement (2041)	1	Underway