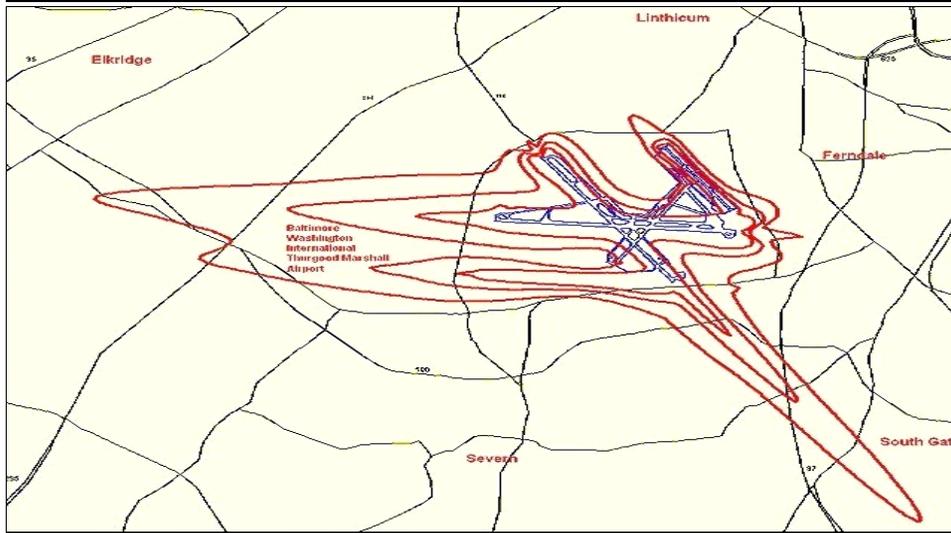


**MARYLAND AVIATION ADMINISTRATION**

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

	<u>FY 2016</u>	<u>FY 2017</u>	<u>FY 2018</u>	<u>FY 2019</u>	<u>FY 2020</u>	<u>FY 2021</u>	<u>SIX-YEAR TOTAL</u>
<b><u>Construction Program</u></b>							
Major Projects	193.9	128.9	40.9	0.9	0.9	0.9	366.6
System Preservation Minor Projects	49.1	28.2	29.5	28.6	27.1	42.2	204.8
<b><u>Development &amp; Evaluation Program</u></b>	<u>1.6</u>	<u>1.0</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>2.6</u>
<b>SUBTOTAL</b>	244.5	158.1	70.5	29.5	28.1	43.2	573.9
<b><u>Capital Salaries, Wages &amp; Other Costs</u></b>	<u>6.5</u>	<u>6.9</u>	<u>6.1</u>	<u>6.1</u>	<u>6.1</u>	<u>6.1</u>	<u>37.8</u>
<b>TOTAL</b>	251.0	165.0	76.6	35.6	34.2	49.3	611.7
<b>Special Funds</b>	123.9	107.9	70.6	29.6	29.9	45.0	406.8
<b>Federal Funds</b>	25.5	1.7	4.3	4.3	4.3	4.3	44.4
<b>Other Funding *</b>	101.7	55.4	1.7	1.7	-	-	160.5
<b><u>Other Funding Breakdown*</u></b>							
CFC	0.7	-	-	-	-	-	0.7
PFC	53.2	55.4	1.7	1.7	-	-	112.1
PFC Bond	47.4	-	-	-	-	-	47.4
TSAOTA	<u>0.3</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>0.3</u>
	101.7	55.4	1.7	1.7	-	-	160.5



**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 avigation 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 2015.

**SIGNIFICANT CHANGE FROM FY 2015 - 20 CTP:** Project delayed from FY 2015 to FY 2016 pending FAA approval of updated noise maps.

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 2015	CURRENT YEAR 2016	BUDGET YEAR 2017	FOR PLANNING PURPOSES ONLY					
					.....2018.....	.....2019.....	.....2020.....	.....2021.....		
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	28,115	22,496	937	937	937	936	936	936	5,619	0
Construction	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>28,575</b>	<b>22,938</b>	<b>940</b>	<b>940</b>	<b>940</b>	<b>939</b>	<b>939</b>	<b>939</b>	<b>5,637</b>	<b>0</b>
Federal-Aid	16,052	11,372	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:** Construction began Summer 2012. 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 2015 - 20 CTP:** Cost increase of \$1.4 results from bid prices for additional conduit replacement requested by FAA.

**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 2015	CURRENT BUDGET YEAR 2016	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY	SIX YEAR TOTAL	BALANCE TO COMPLETE			
Planning	147	147	0	0	0	0	0	0	0
Engineering	10,872	10,195	677	0	0	0	0	0	677
Right-of-way	503	8	495	0	0	0	0	0	495
Construction	60,774	44,761	13,514	2,499	0	0	0	0	16,013
Total	72,296	55,111	14,686	2,499	0	0	0	0	17,185
Federal-Aid	22,068	19,976	2,092	0	0	0	0	0	2,092

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:** Runway 15R-33L project status: - Kitten Branch Stream Diversion completed in March 2013. - Deicing pad construction completed in November 2013. - Standards Compliance Earthwork completed in June 2014. - RSA compliant and pavement rehabilitation complete Summer 2015.

**SIGNIFICANT CHANGE FROM FY 2015 - 20 CTP:** Cost decrease of \$6.7 million resulting from bids and project completions: Taxiway P - (\$2.0 million), NAVAIDS - \$.1 million, Flight Kitchen Obstruction - (\$.1 million), Standards Compliance Earthwork (\$3.0 million) - Runway 15R-33L improvements (\$1.7 million).

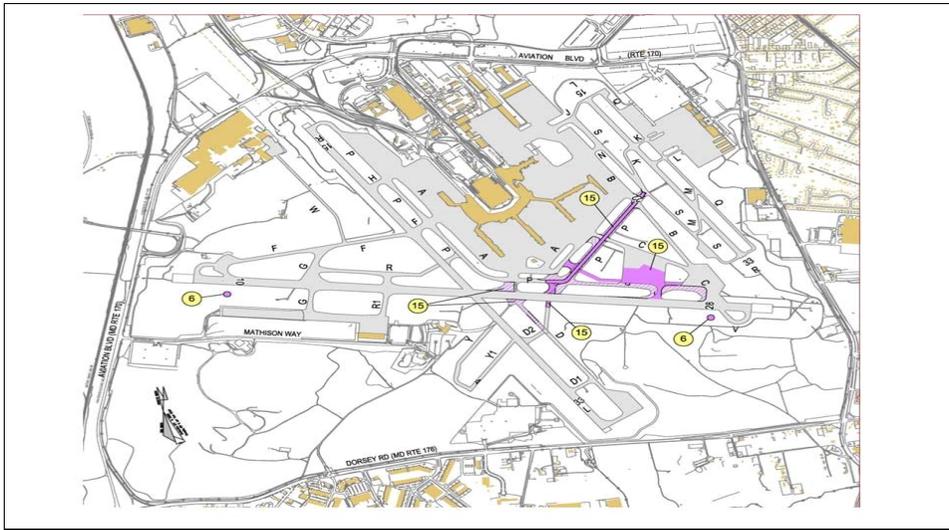
**USAGE:** Accommodate projected annual passenger growth.

**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 2015	CURRENT YEAR 2016	BUDGET YEAR 2017	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
					.....2018.....	.....2019.....	.....2020.....	.....2021.....		
Planning	54	54	0	0	0	0	0	0	0	0
Engineering	27,712	26,683	767	262	0	0	0	0	1,029	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	118,261	114,197	4,064	0	0	0	0	0	4,064	0
Total	146,027	140,934	4,831	262	0	0	0	0	5,093	0
Federal-Aid	40,271	40,271	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, taxiways, 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 taxiways 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 2015 - 20 CTP:** Cost increase of \$1.0 million resulting from Airfield Standards and Pavement Rehabilitation Project bid.

**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 2015	CURRENT YEAR 2016	BUDGET YEAR 2017	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE	
					.....2018.....	.....2019.....	.....2020.....	.....2021.....			
Planning	69	69	0	0	0	0	0	0	0	0	
Engineering	8,888	8,026	862	0	0	0	0	0	862	0	
Right-of-way	0	0	0	0	0	0	0	0	0	0	
Construction	109,978	27,404	65,945	16,629	0	0	0	0	82,574	0	
Total	118,935	35,499	66,807	16,629	0	0	0	0	83,436	0	
Federal-Aid	31,405	10,165	21,240	0	0	0	0	0	21,240	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.

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

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

**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.

**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.

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 2015			2016	2017	.....2018....	.....2019....			.....2020....
Planning	460	460	0	0	0	0	0	0	0	0	0
Engineering	12,801	12,801	0	0	0	0	0	0	0	0	0
Right-of-way	0	0	0	0	0	0	0	0	0	0	0
Construction	124,401	15,338	51,915	57,148	0	0	0	0	109,063	0	0
Total	137,662	28,599	51,915	57,148	0	0	0	0	109,063	0	0
Federal-Aid	0	0	0	0	0	0	0	0	0	0	0

**SIGNIFICANT CHANGE FROM FY 2015 - 20 CTP:** Cost increase of \$11.4 million is the result of higher than expected bids.

**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 and revenue bonds supported by PFC revenue. 2007, 2009, 9702, 9703, 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.

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

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

**ASSOCIATED IMPROVEMENTS:**  
None.

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

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

**EXPLANATION:** 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.

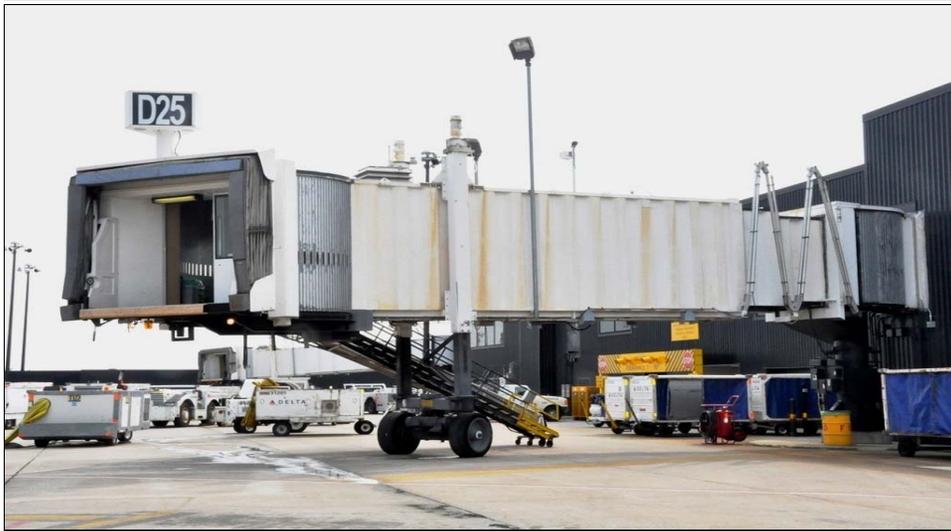
**STATUS:** Project substantially complete August 2015.

**SIGNIFICANT CHANGE FROM FY 2015 - 20 CTP:** None.

**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 2015			2016	2017	.....2018.....	.....2019.....		
Planning	0	0	0	0	0	0	0	0	0	0
Engineering	1,320	1,320	0	0	0	0	0	0	0	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	8,483	4,083	4,400	0	0	0	0	0	4,400	0
Total	9,803	5,403	4,400	0	0	0	0	0	4,400	0
Federal-Aid	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 13 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:** Construction began Fall 2014.

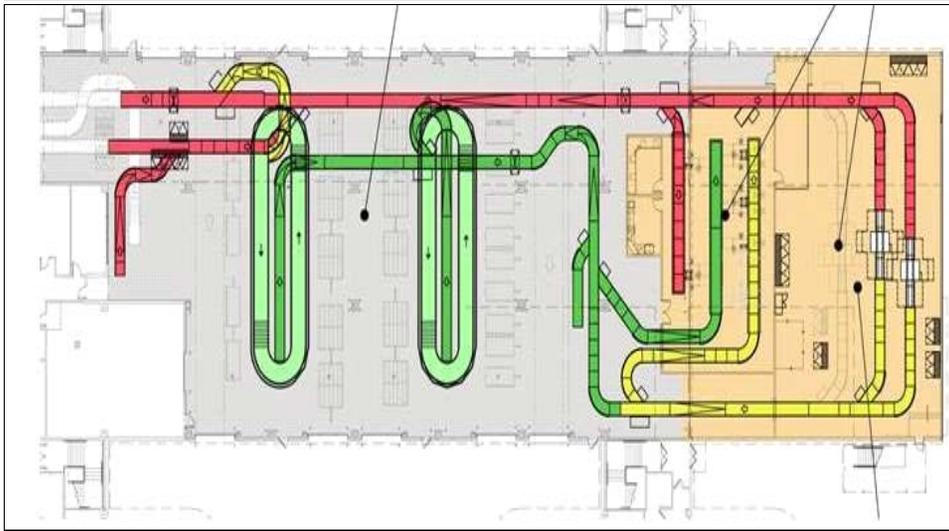
**SIGNIFICANT CHANGE FROM FY 2015 - 20 CTP:** None.

**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 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 2015	CURRENT YEAR 2016	BUDGET YEAR 2017	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	1,372	859	328	185	0	0	0	0	513	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	11,109	1,896	5,803	3,410	0	0	0	0	9,213	0
Total	12,481	2,755	6,131	3,595	0	0	0	0	9,726	0
Federal-Aid	0	0	0	0	0	0	0	0	0	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

**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.

**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

**STATUS:** Construction to begin Fall 2015.

**SIGNIFICANT CHANGE FROM FY 2015 - 20 CTP:** Cost increase of \$6.1 million is the result of higher than expected bids.

**USAGE:** Accommodate projected annual passenger growth.

**OPERATING COST IMPACT:** Operating cost will be 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 2015	CURRENT YEAR 2016	BUDGET YEAR 2017	FOR PLANNING PURPOSES ONLY	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	0
Engineering	512	98	370	44	0	0	0	0	0	414	0
Right-of-way	0	0	0	0	0	0	0	0	0	0	0
Construction	21,574	20	13,750	7,804	0	0	0	0	0	21,554	0
Total	22,086	118	14,120	7,848	0	0	0	0	0	21,968	0
Federal-Aid	0	0	0	0	0	0	0	0	0	0	0



**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; and connecting arriving passengers to the Customs and Border Protection facilities. The project will likely include improvements to immigration technology and facilities.

**PURPOSE & NEED SUMMARY STATEMENT:** The greatest potential growth in airline service at BWI Marshall is in international markets. While domestic services continue to thrive at BWI Marshall, US based airlines are looking to expand their business into international markets, and international carriers are seeking more access to US destinations. With currently capacity constraints at the International Concourse during peak periods as well as significant increases in forecasted international traffic in the coming years at BWI Airport, 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:**  
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 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:** Design of enabling projects complete with November 2015 construction start. Primary building structure to advertise in 2017.

**SIGNIFICANT CHANGE FROM FY 2015 - 20 CTP:** Moved from Development and Evaluation Program to Construction Program.

**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		CURRENT YEAR	BUDGET YEAR	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE	
	ESTIMATED COST (\$000)	EXPEND THRU 2015			2016	2017	....2018....	....2019....			....2020....
Planning	317	317	0	0	0	0	0	0	0	0	0
Engineering	13,179	3,122	10,057	0	0	0	0	0	10,057	0	0
Right-of-way	0	0	0	0	0	0	0	0	0	0	0
Construction	100,000	0	20,000	40,000	40,000	0	0	0	100,000	0	0
Total	113,496	3,439	30,057	40,000	40,000	0	0	0	110,057	0	0
Federal-Aid	0	0	0	0	0	0	0	0	0	0	0

2047, 2048, 9694



**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 to complete in FY 2016.

**POTENTIAL FUNDING SOURCE:**  SPECIAL  FEDERAL  GENERAL  OTHER

PHASE	TOTAL				PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY					SIX YEAR TOTAL	BALANCE TO COMPLETE
	ESTIMATED COST (\$000)	EXPEND THRU 2015	CURRENT YEAR 2016	BUDGET YEAR 2017	.....2018.....	.....2019.....	.....2020.....	.....2021.....			
Planning	1,871	1,345	526	0	0	0	0	0	526	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	1,871	1,345	526	0	0	0	0	0	526	0	
Federal-Aid	259	258	1	0	0	0	0	0	1	0	

**SIGNIFICANT CHANGE FROM FY 2015 - 20 CTP:** None.

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 development underway with anticipated start in Fall 2015.

**SIGNIFICANT CHANGE FROM FY 2015 - 20 CTP:** None.

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 2015	CURRENT YEAR 2016	BUDGET YEAR 2017	FOR PLANNING PURPOSES ONLY					
					.....2018.....	.....2019.....	.....2020.....	.....2021.....		
Planning	0	0	0	0	0	0	0	0	0	0
Engineering	2,000	174	1,046	780	0	0	0	0	1,826	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	2,000	174	1,046	780	0	0	0	0	1,826	0
Federal-Aid	0	0	0	0	0	0	0	0	0	0



**PROJECT:** Exit Lane Technology at BWI Marshall Airport

**DESCRIPTION:** This project provides for the evaluation, planning and preliminary engineering of potential options for automating deplaning passenger exit lane monitoring across the airport.

**JUSTIFICATION:** Under the Aviation and Transportation Security Act, Public Law 107-71 of November 2001, the Transportation Security Administration (TSA) assumed responsibility for staffing exit lanes at airports across the country. TSA has proposed an amendment to the Airport Security Program that would require airport operators to assume access control responsibility at exit lanes controlled by TSA. This project will identify technology to assist BWI Marshall in providing adequate safeguards to prevent unauthorized entry to secure areas.

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

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

**ASSOCIATED IMPROVEMENTS:**  
None.

**STATUS:** FY 2017 design start.

**SIGNIFICANT CHANGE FROM FY 2015 - 20 CTP:** Project start delayed to evaluate need based on checkpoint changes and TSA regulations.

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 2015	CURRENT YEAR 2016	BUDGET YEAR 2017	FOR PLANNING PURPOSES ONLY						
					.....2018.....	.....2019.....	.....2020.....	.....2021.....			
Planning	0	0	0	0	0	0	0	0	0	0	0
Engineering	200	0	0	200	0	0	0	0	0	200	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	200	0	0	200	0	0	0	0	0	200	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
<b><u>Fiscal Year 2015 Completions</u></b>			
<b><u>Airport Technology</u></b>			
1	Airport Road Electronic Signage Repl - Design Only (2044)	200	Complete
2	BWI Radio Console Replacement (2036)	1,778	Complete
<b><u>Airside Development</u></b>			
3	BWI New Air Traffic Control Tower (1939)	502	Complete
4	BWI Noise Exposure Map (1913)	267	Complete
5	Terminal Building Head Knocker Protection (1924)	945	Complete
<b><u>Annual</u></b>			
6	Terminal Spaceframe Inspection (7000)	674	Complete
<b><u>Baltimore/Washington</u></b>			
7	BWI Hotel (2008)	495	Complete
8	Comp Airport Planning Services (1901)	4,540	Complete
9	Comp Arch Eng Design Services-2 (1912)	973	Complete
10	Comp Construction Mgmt & Inspection (7016)	3,381	Complete
11	Comp Environmental Planning (1900)	2,712	Complete
12	Wildlife Hazard Assessment (1903)	45	Complete
<b><u>Consol Rental Car Facility</u></b>			
13	CRCF Bus Fleet Refurbishment (1972)	1,082	Complete
14	CRCF Exterior Facility Improvements (1973)	1,002	Complete
15	CRCF Facility Assessment (1979)	200	Complete
16	CRCF Garage Improvements (1971)	2,586	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
	<b><u>Fiscal Year 2015 Completions (cont'd)</u></b>		
	<b><u>Consol Rental Car Facility (cont'd)</u></b>		
17	CRCF Interior Facility Improvements (1970)	1,319	Complete
18	CRCF Signage Revisions (1975)	239	Complete
19	CRCF Walkway to Tenant Parking (1976)	755	Complete
	<b><u>Equipment</u></b>		
20	ARFF Eqmt Repl - Rescue Truck Unit #30001 (1993)	1,080	Complete
21	ARFF Equip Repl - Ambulance Unit #30094 (1994)	258	Complete
22	BWI ARFF Equip Repl - SCBA Equipment (2060)	650	Complete
23	MTN Equip Repl - Tractor #9898 (1989)	68	Complete
24	Snow Equip - Multi Task Snow Removal Units (2) (1983)	1,397	Complete
25	Snow Equip Repl - Runway Blowers (4) (1995)	2,404	Complete
	<b><u>Information Tech CTIPP</u></b>		
26	BWI Integrated Security Systems (7403)	36,332	Complete
	<b><u>Intl Infrastructure</u></b>		
27	International Building Expansion (9700)	7,967	Complete
28	International Building Outfall Pipe (9696)	3,283	Complete
29	Mobile Lounges (9697)	982	Complete
	<b><u>Landside Development</u></b>		
30	Air Cargo Drive North Pavement Rehabilitation (2030)	2,062	Complete
31	BWI Hotel - Former Four Points (2038)	2,929	Complete
32	BWI Voluntary Noise Land Acquisition Program (1001)	33,863	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
<b><u>Fiscal Year 2015 Completions (cont'd)</u></b>			
<b><u>Landside Development (cont'd)</u></b>			
33	Long Term Parking Lot B Pavement Rehab Ph 1 (2029)	1,327	Complete
34	MAA 991 Leasehold Improvements (9501)	416	Complete
35	Parking Lot Bus Shelter Replacement (2021)	2,999	Complete
36	Terminal Road Overhead Sign Structure Replacement (2020)	830	Complete
<b><u>Martin State</u></b>			
37	MTN - Corporate Hangar Roof Replacement (2043)	2,058	Complete
38	MTN Overhead Voltage Pole Replacements (2046)	562	Complete
39	MTN Public Parking Area Pavement Rehab (2031)	901	Complete
40	MTN Trailer Replacement (2052)	244	Complete
41	MTN Water Supply for Fire System (1433)	2,762	Complete
<b><u>PMP Airfield Improvement</u></b>			
42	Emergency Taxiway Repairs (7774)	4,118	Complete
43	N-1 Taxiways S, N, J, E, A Mill and Overlay (7740)	1,715	Complete
44	N-2 Runway 4-22 Mill and Overlay (7741)	1,864	Complete
45	N-20 Runway 4-22 Obstruction Removal (7758)	434	Complete
46	N-3 Runways 10-28 and 15R-33L Intersection (7742)	6,720	Complete
47	N-4 Taxiway P Hold Line to Runway 15R Mill and Overlay (7754)	188	Complete
48	N-5 Taxiway Y Rehab (7756)	285	Complete
49	N-6 Taxiway B & N Vehicle Service Road (7725)	170	Complete
50	N-7 MD 170 to I-195 Access Ramp (7757)	159	Complete
51	Runway 15L-33R Multiple Taxiways Rehab (7773)	1,186	Complete
52	Taxiway A Repairs (7772)	220	Complete
53	Taxiway D Repairs (7770)	480	Complete
54	Taxiway K and L Incursion Improvements (7771)	547	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
<b><u>Fiscal Year 2015 Completions (cont'd)</u></b>			
<b><u>PMP Airfield Improvement (cont'd)</u></b>			
55	Taxiway P Repairs (7760)	1,022	Complete
56	Taxiway R Repairs (7763)	459	Complete
57	Taxiway U Repairs (7761)	1,163	Complete
<b><u>Security</u></b>			
58	TSA Baggage Screening Improvements Ph 1 (9000)	1,273	Complete
59	TSA Piers A/B Bag Screening Equip Replacement (8998)	4,900	Complete
<b><u>Terminal Development</u></b>			
60	ADA Restroom Access and Improvements (9418)	1,033	Complete
61	Conc C Holdroom & Terminal Charging Stations (2035)	369	Complete
62	Lease Agreement Assets (9884)	1,769	Complete
63	MER 3-4 Sanitary Sewer Line Evaluation and Remediation (2024)	1,333	Complete
64	Observation Gallery & C Corridor Improvements (9881)	2,193	Complete
65	Terminal Interior / Exterior Modifications (2014)	10,466	Complete

**SYSTEM PRESERVATION MINOR PROJECTS PROGRAM**

**MARYLAND AVIATION ADMINISTRATION - LINE 13 (cont'd)**

ITEM NO.	DESCRIPTION AND IMPROVEMENT TYPE	FY16 + FY17 PROJECT COST (\$000's)	CONSTRUCTION START
<b><u>Fiscal Year 2016 and 2017</u></b>			
<b><u>Airport Technology</u></b>			
66	BWI - CDC Phase 2 - Statewide System Access (2042)	100	Complete
67	IT Equipment (1456)	2,400	Ongoing
68	Airport Project Administration System (AirPass) (2040)	883	Underway
69	Conc C LL IT Systems Room Expansion (2049)	2,813	Underway
70	Hourly Garage Parking Guidance System Upgrade - Design Only (1931)	755	Underway
71	Permanent Noise Monitoring System Replacement (7405)	1,438	Underway
<b><u>Airside Development</u></b>			
72	Comp Pavement Markings FY15 (1909)	200	Underway
73	Comprehensive Paving FY 2013 (1908)	6,000	Underway
<b><u>Annual</u></b>			
74	Parking Garage Structure Inspection (1463)	150	Ongoing
75	Real Estate Administrative Services (7019)	50	Ongoing
76	Real Estate Property Services (7018)	50	Ongoing
77	Bridge Inspection (SHA Consultant) (1023)	150	Underway
78	Comprehensive Regional Air Passenger Survey (1486)	100	Underway
79	MAA Noise Prop AA Sewer Assessment (1905)	96	Underway
80	Roadway Sign & Retaining Wall Structure Inspection (1906)	20	Underway
81	Utility Designating (2017)	200	Underway
82	Wildlife Deterrent Unit Inspections (1904)	13	Underway
<b><u>Baltimore/Washington</u></b>			
83	Building Permits and Inspections (1390)	100	Ongoing
84	Comp Construction Mgmt & Inspection (8016)	500	Ongoing

**SYSTEM PRESERVATION MINOR PROJECTS PROGRAM**

**MARYLAND AVIATION ADMINISTRATION - LINE 13 (cont'd)**

ITEM NO.	DESCRIPTION AND IMPROVEMENT TYPE	FY16 + FY17 PROJECT COST (\$000's)	CONSTRUCTION START
<b><u>Fiscal Year 2016 and 2017 (cont'd)</u></b>			
<b><u>Baltimore/Washington (cont'd)</u></b>			
85	Fire Protection Engineer Services (1173)	400	Ongoing
86	Wildlife Management Plan (1181)	120	Ongoing
87	Comp Environmental Planning (1899)	1,000	Spring, 2016
88	Comp Environmental Compliance (2056)	1,000	Summer, 2015
89	BWI Aerial Photogrammetry & Airspace Analysis (1959)	626	Underway
90	Capital Financial Services (2018)	500	Underway
91	Comp Acoustical Services Contract (1918)	400	Underway
92	Comp Airport Planning Services (1949)	850	Underway
93	Comp Airport Planning Services (1951)	700	Underway
94	Comp Arch Eng Design Services (1954)	200	Underway
95	Comp Arch Eng Design Services (1955)	250	Underway
96	Comp Arch Eng Design Services (1956)	250	Underway
97	Comp Arch Eng Design Services (1957)	250	Underway
98	Comp Arch Eng Design Services (1958)	250	Underway
99	Comp Arch Eng Design Services-1 (1915)	100	Underway
100	Comp Commercial Facilities & Business Planning Services (1274)	125	Underway
101	Comp Const Mgmt Services - SBR (1952)	250	Underway
102	Comp Construction Mgmt & Inspection (1953)	600	Underway
103	Comp Professional Program Mgmt (1916)	100	Underway
104	Comp Real Estate Services (1919)	400	Underway
105	Comprehensive AIT Services (1292)	400	Underway
106	MBE Support Services (1950)	160	Underway
107	Pavement Management BWI/MTN (1943)	986	Underway
108	Prof Services GIS, SUE and Engineering Data (2016)	1,400	Underway
109	Wildlife Management Services (2019)	800	Underway

**SYSTEM PRESERVATION MINOR PROJECTS PROGRAM**

**MARYLAND AVIATION ADMINISTRATION - LINE 13 (cont'd)**

ITEM NO.	DESCRIPTION AND IMPROVEMENT TYPE	FY16 + FY17 PROJECT COST (\$000's)	CONSTRUCTION START
<b><u>Fiscal Year 2016 and 2017 (cont'd)</u></b>			
<b><u>Consol Rental Car Facility</u></b>			
110	CRCF - New Tenant Access Road and Walkway (1978)	697	Underway
<b><u>Environmental Compliance</u></b>			
111	Comp Environmental Compliance (9407)	300	Ongoing
112	Comp Environmental Compliance (9408)	200	Ongoing
113	Terminal Environmental Mitigation (8105)	150	Ongoing
114	Stream and Wetland Restoration Mitigation Services (1948)	60	Underway
<b><u>Equipment</u></b>			
115	Fuel Farm Backup Generator (2051)	238	Complete
116	ARFF Equip Rehab - Tanker-43 #9836 (2076)	125	Summer, 2016
117	ARFF Equip Repl - Ambulance #30324 (2000)	325	Summer, 2016
118	Equip Repl - Paint Truck #30091 (2075)	312	Summer, 2016
119	Equip Repl - Tractors (4) (2074)	310	Summer, 2016
120	Snow Equip Rehab - Broom #30095 (2077)	60	Summer, 2016
121	Snow Equip Repl - De-Icing Truck #9952 (2073)	187	Summer, 2016
122	Snow Equip Repl - Dump Trucks (2) (2002)	113	Summer, 2016
123	Snow Equip Repl - Front End Loader #9634 (2066)	347	Summer, 2016
124	Snow Equip Repl - Front End Loader #9891 (2069)	347	Summer, 2016
125	Snow Equip Repl - Front End Loader #9931 (2070)	347	Summer, 2016
126	Snow Equip Repl - Front End Loader #9944 (2071)	347	Summer, 2016
127	Snow Equip Repl - Tandum Dump #9834 (2067)	106	Summer, 2016
128	Snow Equip Repl - Tandum Dump #9856 (2068)	166	Summer, 2016
129	Snow Equip Repl - Tractor Trailer #9949 (2072)	156	Summer, 2016
130	ARFF Equip Repl - Brush-43 #30026 (2065)	90	Underway
131	ARFF Equip Repl - Tower Unit #30089 (1999)	1,200	Underway

**SYSTEM PRESERVATION MINOR PROJECTS PROGRAM**

**MARYLAND AVIATION ADMINISTRATION - LINE 13 (cont'd)**

ITEM NO.	DESCRIPTION AND IMPROVEMENT TYPE	FY16 + FY17 PROJECT COST (\$000's)	CONSTRUCTION START
<b><u>Fiscal Year 2016 and 2017 (cont'd)</u></b>			
<b><u>Equipment (cont'd)</u></b>			
132	MAA Shuttle Bus Mid-Life Overhaul (1930)	2,357	Underway
133	Operating Vehicles - FY 2016 (2053)	223	Underway
134	Snow Equip - Multi-Tasking Unit New (1) (2063)	701	Underway
135	Snow Equip - Multi-Tasking Unit New (1) (2064)	701	Underway
136	Snow Equip Rehab - Broom #30057 (2062)	180	Underway
137	Snow Equip Rehab - Broom Unit #30171 (2061)	180	Underway
138	Snow Equip Repl - Front End Loader #9932 (2001)	334	Underway
<b><u>Intl Infrastructure</u></b>			
139	Air Handler 6 and 7 Replacement (9698)	400	Underway
140	Conc Infrastructure Improvements (9695)	2,460	Underway
141	New North Terminal Substation NT - D1 (9699)	680	Underway
<b><u>Landside Development</u></b>			
142	Daily Garage Inspection Repairs (1921)	2,106	Underway
143	MD 170 Sign Changes (2050)	527	Underway
<b><u>Martin State</u></b>			
144	MTN Additional Storage Tanks in Fuel Farm - Design (9420)	10	Underway
145	MTN Air Traffic Control Tower (1121)	950	Underway
146	MTN Obstruction Removal (9431)	319	Underway
147	MTN Storm Drain Pipe Replacement (2057)	1,229	Underway

**SYSTEM PRESERVATION MINOR PROJECTS PROGRAM**

**MARYLAND AVIATION ADMINISTRATION - LINE 13 (cont'd)**

ITEM NO.	DESCRIPTION AND IMPROVEMENT TYPE	FY16 + FY17 PROJECT COST (\$000's)	CONSTRUCTION START
<b><u>Fiscal Year 2016 and 2017 (cont'd)</u></b>			
<b><u>Regional Aviation</u></b>			
148	Aid to Public/Private Airports (MAPA-90%) (1106)	3,000	Underway
149	Regional Aviation Program (1107)	1,200	Underway
150	Statewide Aviation Grants (AIP-5%) (1105)	2,000	Underway
<b><u>Security</u></b>			
151	Security Initiatives (1298)	1,600	Underway
152	TSA Baggage Screening Improvements Ph 2 (8999)	320	Underway
<b><u>Terminal Development</u></b>			
153	Concourse B International Ticket Counters (2054)	720	Complete
154	County Sewer and Water Capital Improvements (1028)	1,200	Ongoing
155	Facility Management Program (7600)	200	Ongoing
156	Terminal Leasehold Modifications (7500)	400	Ongoing
157	Central Terminal Elevator Upgrade (2033)	341	Underway
158	NT Substation Replacements (2032)	3,719	Underway
159	Terminal and ARFF Glass Improvements (2045)	1,791	Underway
160	Terminal Improvement Project (7017)	1,628	Underway
161	Terminal Interior / Exterior Modifications - SBR (2215)	1,611	Underway
162	Terminal Interior / Exterior Modifications (2114)	437	Underway
163	Terminal Interior / Exterior Modifications (2214)	4,093	Underway
164	Terminal Office Relocation Phase 3 (9013)	4,650	Underway
165	Terminal Space Frame Painting (1926)	419	Underway
166	Terminal Wide Restroom Mirror Replacement (2041)	293	Underway

