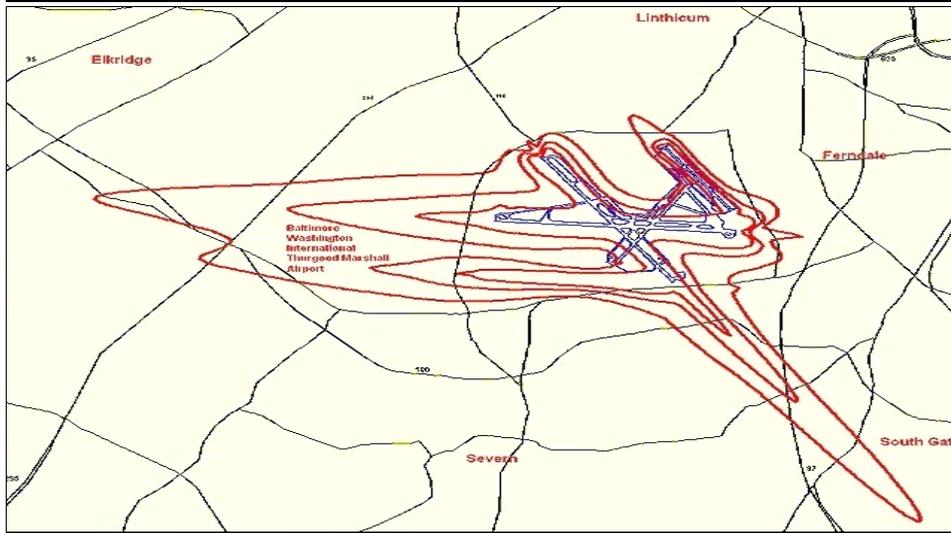


**MARYLAND AVIATION ADMINISTRATION**

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

	<u>FY 2012</u>	<u>FY 2013</u>	<u>FY 2014</u>	<u>FY 2015</u>	<u>FY 2016</u>	<u>FY 2017</u>	<u>SIX-YEAR TOTAL</u>
<b><u>Construction Program</u></b>							
Major Projects	67.7	108.3	105.2	82.6	32.3	0.9	396.9
System Preservation Minor Projects	23.5	21.4	25.4	26.6	27.5	31.4	155.8
<b><u>Development &amp; Evaluation Program</u></b>	<u>6.2</u>	<u>4.7</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>10.9</u>
<b>SUBTOTAL</b>	97.4	134.4	130.5	109.2	59.8	32.3	563.7
<b><u>Capital Salaries, Wages &amp; Other Costs</u></b>	<u>6.1</u>	<u>6.1</u>	<u>6.1</u>	<u>6.1</u>	<u>6.1</u>	<u>6.1</u>	<u>36.6</u>
<b>TOTAL</b>	103.5	140.5	136.6	115.3	65.9	38.4	600.3
<b>Special Funds</b>	51.4	46.8	39.1	37.1	36.1	34.2	244.7
<b>Federal Funds</b>	10.6	24.0	22.6	7.7	7.2	4.3	76.4
<b>Other Funding *</b>	41.5	69.7	75.0	70.4	22.7	-	279.2
<b><u>Other Funding Breakdown*</u></b>							
CFC	0.1	-	-	-	-	-	0.1
PFC	31.6	67.9	74.0	70.4	22.7	-	266.4
RAA	1.0	1.0	1.0	-	-	-	3.0
TSAOTA	<u>8.9</u>	<u>0.8</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>9.7</u>
	41.5	69.7	75.0	70.4	22.7	-	279.2



**PROJECT:** Noise Zone Land Acquisition Program

**DESCRIPTION:** This program promotes compatible land use around Baltimore/Washington International Thurgood Marshall Airport (BWI Marshall). This is accomplished through the purchase of residential properties offered voluntarily for sale by owner within designated impacted noise areas.

**PURPOSE & NEED SUMMARY STATEMENT:** The Maryland Environmental Noise Act requires the Maryland Aviation Administration (MAA) to minimize the impact of aircraft related noise on people living near BWI Marshall. The purpose of this program is to purchase, at fair market value, the most severely impacted residential properties within the BWI Marshall Noise Zone, in accordance and consistent with local zoning.

**SMART GROWTH STATUS:**  Project Not Location Specific or 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:**  
Homeowner Assistance Program -- Line 2

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

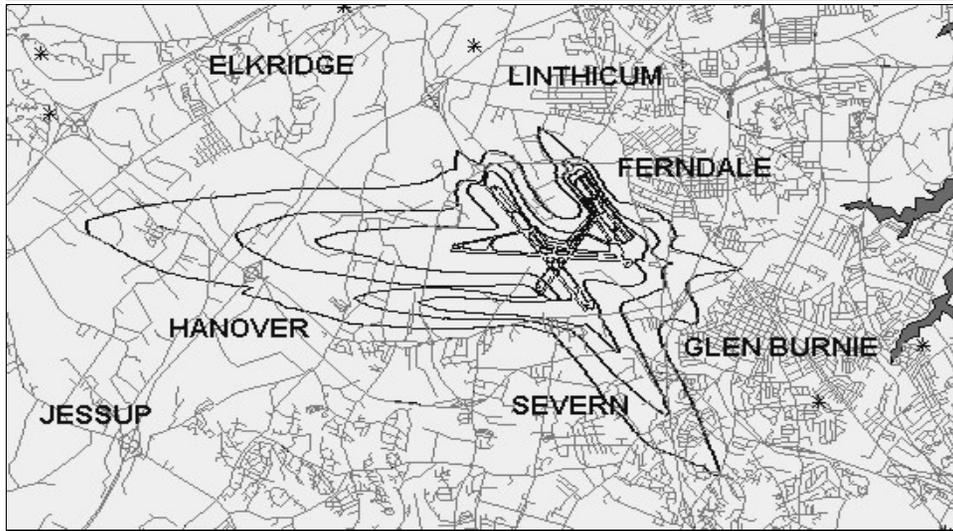
- Quality of Service
- System Preservation & Performance
- Connectivity for Daily Life
- Safety & Security
- Environmental Stewardship

**EXPLANATION:** This program enhances the environment of neighboring communities by providing noise mitigation through the purchase of residential properties from people living within designated noise zones near BWI Marshall.

**STATUS:** MAA has acquired 250 properties through FY 2011.

POTENTIAL FUNDING SOURCE:		<input checked="" type="checkbox"/> SPECIAL		<input checked="" type="checkbox"/> FEDERAL		<input type="checkbox"/> GENERAL		<input type="checkbox"/> OTHER			
PHASE	TOTAL		CURRENT YEAR	BUDGET YEAR	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE	
	ESTIMATED COST (\$000)	EXPEND THRU 2011			2012	2013	....2014....	....2015....			....2016....
Planning	0	0	0	0	0	0	0	0	0	0	
Engineering	49	49	0	0	0	0	0	0	0	0	
Right-of-way	35,414	33,814	350	1,250	0	0	0	0	1,600	0	
Construction	0	0	0	0	0	0	0	0	0	0	
<b>Total</b>	<b>35,463</b>	<b>33,863</b>	<b>350</b>	<b>1,250</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,600</b>	<b>0</b>	
Federal-Aid	23,687	23,687	0	0	0	0	0	0	0	0	

**SIGNIFICANT CHANGE FROM FY 2011 - 16 CTP:** The cashflow change aligns potential payments with the Noise Land Re-Use Plan.



**PROJECT:** Homeowner Assistance Program

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

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

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

- Quality of Service
- System Preservation & Performance
- Connectivity for Daily Life
- Safety & Security
- Environmental Stewardship

**SMART GROWTH STATUS:**  Project Not Location Specific or 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:**

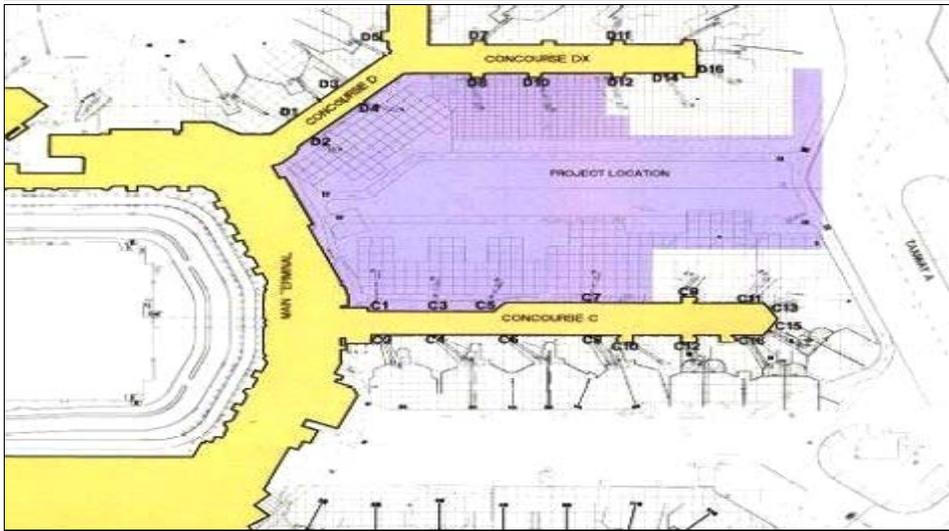
Noise Zone Land Acquisition Program -- Line 1

**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 673 properties and sales assistance for 113 homes through FY 2011.

POTENTIAL FUNDING SOURCE:		<input checked="" type="checkbox"/> SPECIAL		<input checked="" type="checkbox"/> FEDERAL		<input type="checkbox"/> GENERAL		<input type="checkbox"/> OTHER			
PHASE	TOTAL		CURRENT YEAR	BUDGET YEAR	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE	
	ESTIMATED COST (\$000)	EXPEND THRU 2011			2012	2013	.....2014.....	.....2015.....			.....2016.....
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	27,296	22,457	156	936	936	937	937	937	4,839	0	
Construction	0	0	0	0	0	0	0	0	0	0	
<b>Total</b>	<b>27,756</b>	<b>22,899</b>	<b>159</b>	<b>939</b>	<b>939</b>	<b>940</b>	<b>940</b>	<b>940</b>	<b>4,857</b>	<b>0</b>	
Federal-Aid	15,272	11,372	0	780	780	780	780	780	3,900	0	

**SIGNIFICANT CHANGE FROM FY 2011 - 16 CTP:** The \$1.0 million cost increase reflects the addition of FY 2017.



**PROJECT:** Concourse C/D Apron Reconstruction at BWI Marshall Airport (ARRA)

**DESCRIPTION:** This project consists of the reconstruction of the aircraft ramp area between Concourses C and D. The work includes pavement removal and reconstruction, improvements to drainage structures, upgrades to deicing collection facilities, communications infrastructure, and ramp lighting.

**PURPOSE & NEED SUMMARY STATEMENT:** The project will enhance airfield safety and operations through reconstruction of pavement and apron grade, drainage structures, and upgrade of airfield lighting to meet Federal Aviation Administration (FAA) standards. The areas identified for upgrades were determined through independent pavement analysis as required by the FAA.

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

- Quality of Service
- System Preservation & Performance
- Connectivity for Daily Life
- Safety & Security
- Environmental Stewardship

**SMART GROWTH STATUS:**  Project Not Location Specific or 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:**

**EXPLANATION:** This project enhances compliance with FAA Part 139 regulations that require airfield pavement to be free of cracks and surface variations that could impair directional control of air carrier aircraft. New drainage and deicing structures will improve runoff collection and recycling of chemicals used for inclement weather.

**STATUS:** Construction underway. ARRA phases complete February 2011 and the balance of the project in Fall 2011.

PHASE	TOTAL				PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
	ESTIMATED COST (\$000)	EXPEND THRU 2011	CURRENT YEAR 2012	BUDGET YEAR 2013	.....2014.....	.....2015.....	.....2016.....	.....2017.....		
Planning	0	0	0	0	0	0	0	0	0	0
Engineering	3,092	3,092	0	0	0	0	0	0	0	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	43,393	30,550	12,843	0	0	0	0	0	12,843	0
<b>Total</b>	<b>46,485</b>	<b>33,642</b>	<b>12,843</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>12,843</b>	<b>0</b>
Federal-Aid	22,851	17,803	5,048	0	0	0	0	0	5,048	0

**SIGNIFICANT CHANGE FROM FY 2011 - 16 CTP:** Cost increase of \$1.1 million reflects security cost and construction design support. Cashflow change reflects schedule revision due to weather and \$4.6 million of additional federal AIP funds.

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

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

Other funding source is Passenger Facility Charge (PFC) revenue. Federal funding includes \$15 million from American Recovery and Reinvestment Act (ARRA).



**PROJECT:** Runway Safety Area / Pavement Management Program Improvements Phase 1 at BWI Marshall

**DESCRIPTION:** The project represents the initial phase of the Runway Safety Area (RSA) and Pavement Management Program (PMP) Improvements. Interim pavement repairs necessary to support changing aircraft traffic patterns during the construction phasing include Runway 4-22 and multiple taxiways, plus construction access and vehicle service road repairs. Also, included is the pavement rehabilitation and standards compliance improvements necessary at the intersection of Runways 10-28 and 15R-33L.

**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 the 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 FOD.

**SMART GROWTH STATUS:**  Project Not Location Specific or 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:**

Runway Safety Area / Pavement Management Improvements at BWI Marshall -- Line 5.

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

- Quality of Service
- System Preservation & Performance
- Connectivity for Daily Life
- Safety & Security
- Environmental Stewardship

**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. Part 139 pavement improvements and FAA standards will ensure airfield pavement is free of cracks and surface variations that could impair directional control of the air carrier aircraft.

**STATUS:** Construction began Spring 2011.

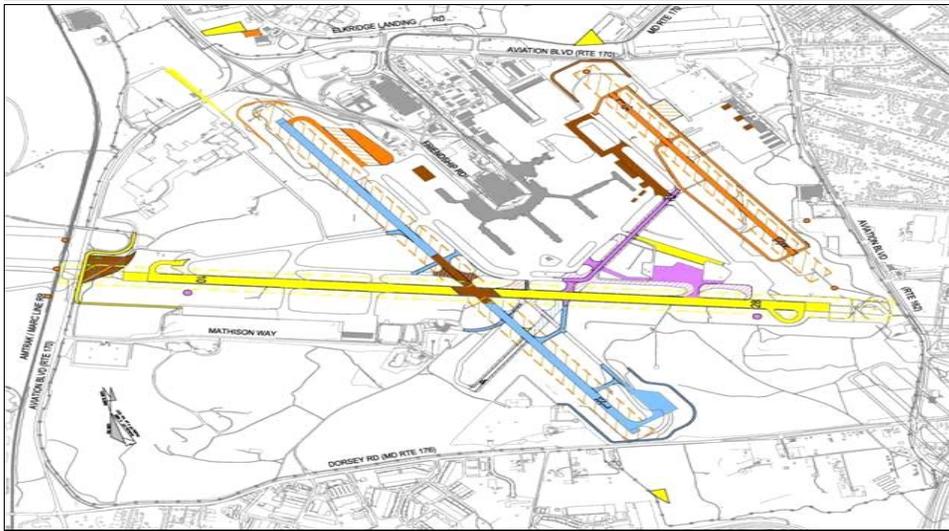
**SIGNIFICANT CHANGE FROM FY 2011 - 16 CTP:** Formerly part of Runway Safety Area / Pavement Management Program Improvements. Cost decrease of \$3.3 million results from performing taxiway rehabilitation now versus pavement reconstruction at end of program.

**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 ESTIMATED COST (\$000)	EXPEND THRU 2011	CURRENT YEAR 2012	BUDGET YEAR 2013	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE	
					....2014....	....2015....	....2016....	....2017....			
Planning	0	0	0	0	0	0	0	0	0	0	
Engineering	1,841	1,409	432	0	0	0	0	0	432	0	
Right-of-way	0	0	0	0	0	0	0	0	0	0	
Construction	13,609	3,876	9,733	0	0	0	0	0	9,733	0	
Total	15,450	5,285	10,165	0	0	0	0	0	10,165	0	
Federal-Aid	0	0	0	0	0	0	0	0	0	0	

7725, 7740, 7741, 7742, 7754, 7756, 7757, 7758, 7759, 7760, 7761



**PROJECT:** Runway Safety Area / Pavement Management Program Improvements 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 Runways 10-28, 15R-33L, 4-22 and 15L-33R, 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 airport 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 the 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 FOD.

**SMART GROWTH STATUS:**  Project Not Location Specific or 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:**

- Master Plan at BWI Marshall Airport -- Line 10
- Airport Layout Plan Environmental Assessment at BWI Marshall Airport -- Line 11
- Runway Safety Area / Pavement Management Program Improvements Phase 1 at BWI -- Line 4

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

- Quality of Service
- System Preservation & Performance
- Connectivity for Daily Life
- Safety & Security
- Environmental Stewardship

**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. Part 139 pavement improvements and FAA standards will ensure airfield pavement is free of cracks and surface variations that could impair directional control of the air carrier aircraft.

**STATUS:** Design continues as the Master Plan and Airport Layout Plan Environmental Assessment are reviewed by the FAA.

**SIGNIFICANT CHANGE FROM FY 2011 - 16 CTP:** Cost increase of \$28.2 million reflects taxiway re-alignments needed to create 90 degree intersections based on FAA Engineering Brief 75. Realignments will eliminate straight runway access and reduce the possibility of runway incursions.

**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 checked="" type="checkbox"/> FEDERAL		<input type="checkbox"/> GENERAL		<input checked="" type="checkbox"/> OTHER			
PHASE	TOTAL ESTIMATED COST (\$000)	EXPEND THRU 2011	CURRENT YEAR 2012	BUDGET YEAR 2013	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE	
					....2014....	....2015....	....2016....	....2017....			
Planning	0	0	0	0	0	0	0	0	0	0	
Engineering	28,472	4,237	7,751	5,064	4,746	4,344	2,330	0	24,235	0	
Right-of-way	1,100	0	20	1,080	0	0	0	0	1,100	0	
Construction	301,615	15	10,376	84,651	99,166	77,982	29,425	0	301,600	0	
<b>Total</b>	<b>331,187</b>	<b>4,252</b>	<b>18,147</b>	<b>90,795</b>	<b>103,912</b>	<b>82,326</b>	<b>31,755</b>	<b>0</b>	<b>326,935</b>	<b>0</b>	
Federal-Aid	60,826	0	4,933	20,759	21,778	6,946	6,410	0	60,826	0	

Other funding source is Passenger Facility Charge (PFC) revenue.

- 7701, 7702, 7703, 7704, 7705, 7706, 7707, 7708, 7709,
- 7710, 7711, 7712, 7713, 7714, 7715, 7717, 7719, 7720,
- 7721, 7722, 7723, 7724, 7726, 7728, 7729, 7730, 7731,



**PROJECT:** Integrated Life-Safety and Security Systems at BWI Marshall Airport

**DESCRIPTION:** These projects provide for the replacement of numerous, disparate, end of life cycle facility monitoring, emergency response and security systems. The use of new technologies will allow the integration of Consolidated Dispatch Center (CDC) systems with Closed Circuit Television (CCTV) and Controlled Access Security System (CASS). Improvements will include replacement of the MODUCOM fire alert and fire alarm system, terminal-wide CCTV and CASS systems, automation of the dispatching system, monitoring/control workstations, access detection, and event monitoring.

**PURPOSE & NEED SUMMARY STATEMENT:** Federal Aviation Administration (FAA) and Transportation Security Administration (TSA) regulations require BWI Marshall to provide adequate safeguards to prevent unauthorized entry to secure areas, maintain event records, and meet standards for incident response.

**SMART GROWTH STATUS:**  Project Not Location Specific or 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:

- Quality of Service
- System Preservation & Performance
- Connectivity for Daily Life
- Safety & Security
- Environmental Stewardship

**EXPLANATION:** Replacement of the aged security monitoring and dispatching systems improves compliance with FAA Part 139 and TSA security regulations. These modern security monitoring and response alert systems will enhance the safety and security of all airport users.

**STATUS:** Constuction start January 2011.

POTENTIAL FUNDING SOURCE:		<input checked="" type="checkbox"/> SPECIAL		<input type="checkbox"/> FEDERAL		<input type="checkbox"/> GENERAL		<input checked="" type="checkbox"/> OTHER			
PHASE	TOTAL ESTIMATED COST (\$000)	EXPEND THRU 2011	CURRENT YEAR 2012	BUDGET YEAR 2013	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE	
					.....2014.....	.....2015.....	.....2016.....	.....2017.....			
Planning	0	0	0	0	0	0	0	0	0	0	
Engineering	4,411	3,917	273	221	0	0	0	0	494	0	
Right-of-way	0	0	0	0	0	0	0	0	0	0	
Construction	42,923	5,805	24,668	12,450	0	0	0	0	37,118	0	
Total	47,334	9,722	24,941	12,671	0	0	0	0	37,612	0	
Federal-Aid	0	0	0	0	0	0	0	0	0	0	

**SIGNIFICANT CHANGE FROM FY 2011 - 16 CTP:** Cost increase of \$0.8 million reflects acceptance of project bids and addition of design support through construction. Cashflow re-aligned based on acceptance of contracts.

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

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

Other funding sources are Passenger Facility Charge (PFC) revenue and TSA grant. 7200, 7402, 7403, 7404



**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 safe guard BWI Marshall's largest revenue generator.

**SMART GROWTH STATUS:**  Project Not Location Specific or 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:

- Quality of Service
- System Preservation & Performance
- Connectivity for Daily Life
- Safety & Security
- Environmental Stewardship

**EXPLANATION:** The project will enhance the parking management system by providing modern technology to expand customer payment choices, including pricing options, and improve the security of financial transactions.

**STATUS:** Request for Proposals document complete. FY 2013 target for construction start is dependent upon securing additional funding.

**SIGNIFICANT CHANGE FROM FY 2011 - 16 CTP:** Added to the Construction program from System Preservation Minor Projects Program.

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 2011			2012	2013	.....2014.....	.....2015.....		
Planning	0	0	0	0	0	0	0	0	0	0
Engineering	853	638	0	215	0	0	0	0	215	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	1,744	1	0	1,743	0	0	0	0	1,743	0
Total	2,597	639	0	1,958	0	0	0	0	1,958	0
Federal-Aid	0	0	0	0	0	0	0	0	0	0



**PROJECT:** Comprehensive Roadway Signage, Phase II at BWI Marshall Airport

**DESCRIPTION:** This project is the final phase of the new Comprehensive Roadway Sign System for BWI that was initiated as part of the Comprehensive Landside Development Program. This project will make global changes to various access roadway signage including parking and cell phone lots; rental car facility; east and west bound on I-195; MD 170 and I-97; and the MARC/Amtrak Station.

**PURPOSE & NEED SUMMARY STATEMENT:** The signage improvements will establish consistency and clarification among signage that directs travelers to the terminal, parking, and rental car facilities.

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

- Quality of Service
- System Preservation & Performance
- Connectivity for Daily Life
- Safety & Security
- Environmental Stewardship

**SMART GROWTH STATUS:**  Project Not Location Specific or 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 promotes increased safety for airport patrons by standardizing and clarifying the signage that directs travelers around the airport campus.

**STATUS:** Project completed September 2010.

**SIGNIFICANT CHANGE FROM FY 2011 - 16 CTP:** None.

POTENTIAL FUNDING SOURCE:		<input checked="" type="checkbox"/> SPECIAL		<input type="checkbox"/> FEDERAL		<input type="checkbox"/> GENERAL		<input type="checkbox"/> OTHER			
PHASE	TOTAL		CURRENT YEAR	BUDGET YEAR	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE	
	ESTIMATED COST (\$000)	EXPEND THRU 2011			2012	2013	.....2014.....	.....2015.....			.....2016.....
Planning	0	0	0	0	0	0	0	0	0	0	0
Engineering	386	386	0	0	0	0	0	0	0	0	0
Right-of-way	0	0	0	0	0	0	0	0	0	0	0
Construction	1,711	1,711	0	0	0	0	0	0	0	0	0
Total	2,097	2,097	0	0	0	0	0	0	0	0	0
Federal-Aid	0	0	0	0	0	0	0	0	0	0	0



**PROJECT:** Hagerstown Airport Expansion

**DESCRIPTION:** This project was a multi-year project to expand Runway 9-27 at Hagerstown Regional Airport. The project lengthened the runway from 5,500 feet to 7,000 feet, and includes associated land acquisition, hold apron, stormwater management, roadway and bridge improvements to US 11.

**PURPOSE & NEED SUMMARY STATEMENT:** The Runway 9-27 improvements correct numerous non-standard conditions, most importantly, the lack of adequate Runway Safety Area (RSA) beyond the ends of the pavement. Also, the former runway length limited the Airport in accommodating larger aircraft necessary to meet the growth in the region. The extension will better facilitate larger aircraft, as well as, avoid reduction of runway length as an alternative resolution of RSA issues.

**SMART GROWTH STATUS:**  Project Not Location Specific or 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.

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

- |   |   |
|---|---|
| <input type="checkbox"/> Quality of Service                           | <input checked="" type="checkbox"/> Safety & Security         |
| <input checked="" type="checkbox"/> System Preservation & Performance | <input checked="" type="checkbox"/> Environmental Stewardship |
| <input type="checkbox"/> Connectivity for Daily Life                  |   |

**EXPLANATION:** This completed 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. Part 139 pavement improvements and FAA standards will ensure airfield pavement is free of cracks and surface variations that could impair directional control of the air carrier aircraft.

**STATUS:** Construction completed December 2007. Cashflow reflects continued payment commitment through 2014.

**SIGNIFICANT CHANGE FROM FY 2011 - 16 CTP:** Cost updated to reflect revisions to Federal grant schedule and State matching share.

**USAGE:** Approximately 15,000 annual passengers.

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 2011			2012	2013	....2014....	....2015....			....2016....
Planning	0	0	0	0	0	0	0	0	0	0	0
Engineering	0	0	0	0	0	0	0	0	0	0	0
Right-of-way	0	0	0	0	0	0	0	0	0	0	0
Construction	58,947	55,863	1,056	1,028	1,000	0	0	0	3,084	0	0
Total	58,947	55,863	1,056	1,028	1,000	0	0	0	3,084	0	0
Federal-Aid	0	0	0	0	0	0	0	0	0	0	0

The cost shown includes federal AIP funds which go directly to the County and are being shown as Other funds. Cost shown does not include Washington County contribution. MDOT contributing \$10.7 million to the project.



**PROJECT:** Master Plan at BWI Marshall Airport

**DESCRIPTION:** Study to identify long-term (2030) projection, location and extent of BWI Marshall facility improvements, as required to meet future aviation demand and to identify Federal Aviation Administration (FAA) design standard deficiencies. Study will require in-depth evaluations of many factors, including future air service, runway and terminal capacities, environmental and community impact considerations. Study also collaborates with Anne Arundel County regarding land use compatibility in the airport vicinity.

**JUSTIFICATION:** To undertake a comprehensive analysis of BWI Marshall's facilities and infrastructure to determine what improvements are necessary to support air travel through 2030. The most recent BWI Master Plan was approved in 1987. Most projects envisioned in the 1987 Plan have been constructed. BWI Marshall and the aviation industry have changed significantly since the completion of the last Master Plan.

**SMART GROWTH STATUS:**  Project Not Location Specific or 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:**

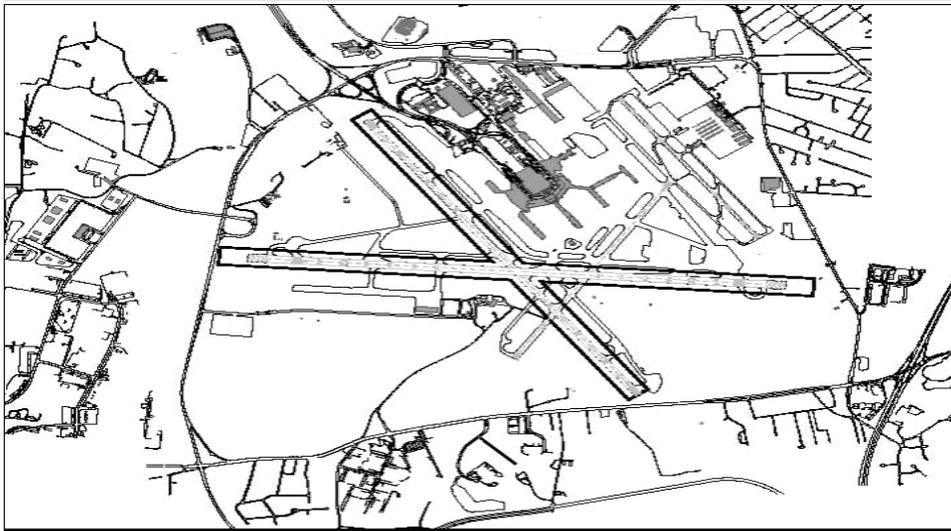
Runway Safety Area/Pavement Management Program Improvements at BWI Marshall -- Line 5

**STATUS:** Master Plan completed June 2010. Plan under review by the FAA.

**SIGNIFICANT CHANGE FROM FY 2011 - 16 CTP:** Anticipate expenditures will continue into FY 2012 to support FAA review and final document publishing.

**USAGE:** Determine facility improvements needed to accommodate future aviation demand.

POTENTIAL FUNDING SOURCE:										
<input checked="" type="checkbox"/> SPECIAL <input checked="" type="checkbox"/> FEDERAL <input type="checkbox"/> GENERAL <input type="checkbox"/> OTHER										
PHASE	TOTAL		CURRENT YEAR	BUDGET YEAR	PROJECTED CASH REQUIREMENTS				SIX YEAR TOTAL	BALANCE TO COMPLETE
	ESTIMATED COST (\$000)	EXPEND THRU 2011			FOR PLANNING PURPOSES ONLY					
			2012	2013	....2014....	....2015....	....2016....	....2017....		
Planning	6,826	6,826	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	0	0	0	0	0	0	0	0	0	0
Total	6,826	6,826	0	0	0	0	0	0	0	0
Federal-Aid	3,827	3,827	0	0	0	0	0	0	0	0



**PROJECT:** Airport Layout Plan Environmental Assessment at BWI Marshall Airport.

**DESCRIPTION:** This project provides for the study and design work necessary for the environmental impact assessment of all capital projects shown on the Airport Layout Plan (ALP) and Master Plan. Projects include: runway safety areas, airfield pavement, terminal improvements, perimeter roadway, and other ancillary facilities.

**JUSTIFICATION:** In accordance with Federal Aviation Administration Order 5050.4A, 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 or Not Subject to PFA Law

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

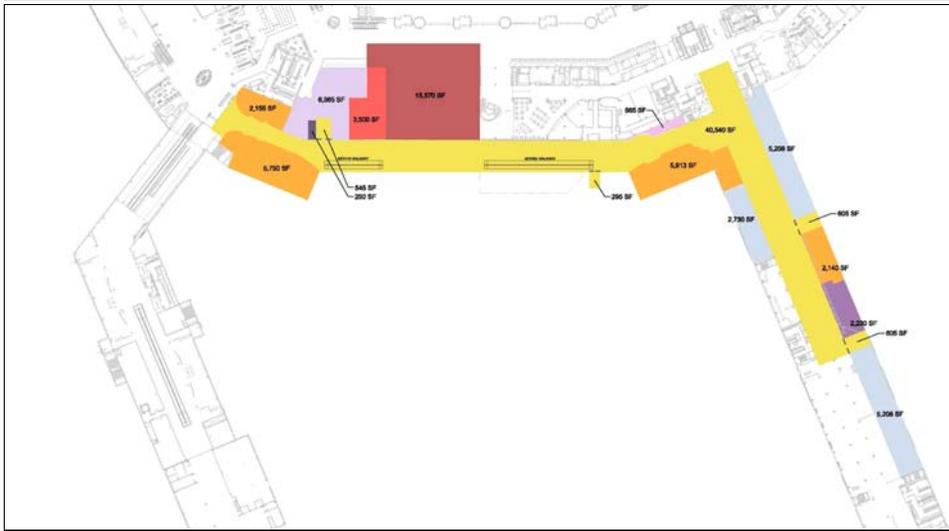
**ASSOCIATED IMPROVEMENTS:**  
Runway Safety Area/Pavement Management Program Improvements at BWI Marshall -- Line 5

**STATUS:** Environmental assessment under review by the FAA.

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 2011	CURRENT YEAR 2012	BUDGET YEAR 2013	FOR PLANNING PURPOSES ONLY	FOR PLANNING PURPOSES ONLY	FOR PLANNING PURPOSES ONLY	FOR PLANNING PURPOSES ONLY		
Planning	1,196	1,047	149	0	0	0	0	0	149	0
Engineering	1,176	576	600	0	0	0	0	0	600	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
<b>Total</b>	<b>2,372</b>	<b>1,623</b>	<b>749</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>749</b>	<b>0</b>
Federal-Aid	1,611	958	653	0	0	0	0	0	653	0

**SIGNIFICANT CHANGE FROM FY 2011 - 16 CTP:** None.

Other funding source is Passenger Facility Charge (PFC) revenue.  
1429, 1617, 7700



**PROJECT:** Terminal Modernization Program at BWI Marshall Airport

**DESCRIPTION:** This project will identify various terminal modernization alternatives for the older areas of the existing terminal building and address the feasibility and/or cost of each alternative, including potential impacts of new fire code life-safety/security requirements, passenger access, secure corridor connections, new skywalks and other facilities and/or services. Areas evaluated, that are progressing from conceptual design to design include Concourses B to C, Concourses D to E, and Concourses C to D, and the related corridor connections, fire code compliance, check point improvements, as well as security and circulation/services enhancements.

**JUSTIFICATION:** BWI has experienced significant growth in passenger levels since development of the older concourses. The International and A/B Terminals provide sufficient passenger processing areas and accepted levels of customer service. These amenities need to be incorporated into the remainder of the terminal. Fire code life safety compliance and federally mandated security requirements are also expected to impact terminal space usage. Undertaking planning and conceptual design at this time will provide MAA with the necessary options to be responsive to passenger, airline and air service needs.

**SMART GROWTH STATUS:**  Project Not Location Specific or 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:** Terminal Modernization Plan under implementation with the B/C Connector being the first construction phase. Design of the B/C Connector is underway to support request for PFC funding.

**SIGNIFICANT CHANGE FROM FY 2011 - 16 CTP:** Cost increase of \$0.5 million reflects cost of pre-PFC application design.

<u>POTENTIAL FUNDING SOURCE:</u>		<input checked="" type="checkbox"/> SPECIAL	<input type="checkbox"/> FEDERAL	<input type="checkbox"/> GENERAL	<input checked="" type="checkbox"/> OTHER					SIX	BALANCE
PHASE	TOTAL ESTIMATED COST (\$000)	EXPEND THRU 2011	CURRENT YEAR 2012	BUDGET YEAR 2013	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				YEAR TOTAL	TO COMPLETE	
					....2014....	....2015....	....2016....	....2017....			
Planning	1,986	1,786	200	0	0	0	0	0	200	0	
Engineering	9,500	0	5,177	4,323	0	0	0	0	9,500	0	
Right-of-way	0	0	0	0	0	0	0	0	0	0	
Construction	502	2	87	413	0	0	0	0	500	0	
<b>Total</b>	<b>11,988</b>	<b>1,788</b>	<b>5,464</b>	<b>4,736</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10,200</b>	<b>0</b>	
Federal-Aid	0	0	0	0	0	0	0	0	0	0	

Other funding source is Passenger Facility Charge (PFC) revenue.  
8101, 9010, 9020, 9886, 9888

**SYSTEM PRESERVATION MINOR PROJECTS PROGRAM**

**MARYLAND AVIATION ADMINISTRATION - LINE 13**

ITEM NO.	DESCRIPTION AND IMPROVEMENT TYPE	TOTAL ESTIMATED COST (\$000's)	CONSTRUCTION START
	<b><u>FY 2012 and Prior</u></b>		
	<b><u>Airport Technology</u></b>		
1	IT Services (1455)	203	Complete
2	IT Equipment (1456)	9,483	Ongoing
	<b><u>Airside Development</u></b>		
3	Comprehensive Paving FY 2008 (8007)	3,330	Complete
4	Comprehensive Paving FY 2012 (9008)	5,521	Ongoing
	<b><u>Annual</u></b>		
5	Retaining Wall Inspection (8001)	20	Complete
6	Tile Inspection (9429)	59	Complete
7	Comprehensive Regional Air Passenger Survey (1486)	100	Underway
8	Real Estate Administrative Services (7019)	417	Ongoing
9	Real Estate Property Services (7018)	207	Ongoing
10	Parking Garage Structure Inspection (1463)	161	Ongoing
11	Wildlife Deterrent Unit Inspections (1904)	5	Underway
	<b><u>Baltimore/Washington</u></b>		
12	Comp. Architectural Engineering Design Services (1324)	4,602	Complete
13	Comprehensive Airport Facilities Planning (1459)	4,700	Complete
14	Comprehensive Aviation Planning Services (1113)	2,192	Complete
15	Comprehensive Intermodal & Terminal Planning Services (1114)	2,815	Complete
16	Acoustical Services Contract (1485)	700	Underway
17	Wildlife Hazard Assessment (1903)	26	Underway
18	Wildlife Management Plan (1181)	1,205	Ongoing
19	Fire Protection Engineer Services (1173)	187	Ongoing

**SYSTEM PRESERVATION MINOR PROJECTS PROGRAM**

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

ITEM NO.	DESCRIPTION AND IMPROVEMENT TYPE	TOTAL ESTIMATED COST (\$000's)	CONSTRUCTION START
<b><u>FY 2012 and Prior (cont'd)</u></b>			
<b><u>Baltimore/Washington (cont'd)</u></b>			
20	Comp Arch Eng Design Services (7015)	2,978	Ongoing
21	Comp Construction Mgmt & Inspection (7016)	2,774	Ongoing
22	OECM - AEIS Mapping Validation (1723)	1,856	Ongoing
23	Pavement Management BWI/MTN (1389)	2,001	Ongoing
24	Comprehensive AIT Services (1291)	388	Ongoing
25	Building Permits and Inspections (1390)	1,597	Ongoing
26	Comp Airport Planning Services (1901)	1,250	Ongoing
27	Comp Construction Mgmt & Inspection (8016)	700	Ongoing
28	Comp Environmental Planning (1900)	550	Ongoing
29	Comp Arch Eng Design Services (1915)	200	Fall, 2011
30	Comp Professional Program Mgmt (1916)	100	Fall, 2011
<b><u>Environmental Compliance</u></b>			
31	Comp Environmental Compliance Services (1461)	9,209	Complete
32	Erosion & Stormwater Management Improvements (8103)	1,626	Complete
33	Terminal Environmental Mitigation (8105)	259	Ongoing
34	Comp Environmental Compliance 10-001A (9407)	2,195	Ongoing
35	Comp Environmental Compliance 10-001B (9408)	19	Ongoing
<b><u>Equipment</u></b>			
36	Portable Emergency Power (9315)	1,200	Underway
<b><u>Landside Development</u></b>			
37	Widen Airport Exit Roadway to I-195 Westbound Design (7009)	924	Complete
38	ADA Landside Improvements (9419)	354	Complete

**SYSTEM PRESERVATION MINOR PROJECTS PROGRAM**

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

ITEM NO.	DESCRIPTION AND IMPROVEMENT TYPE	TOTAL ESTIMATED COST (\$000's)	CONSTRUCTION START
<b><u>FY 2012 and Prior (cont'd)</u></b>			
<b><u>Landside Development (cont'd)</u></b>			
39	Airport Signage (1920)	416	Underway
40	Amtrak Station Design Planning (9422)	309	Underway
41	Construction Material Storage Building (9404)	53	Underway
42	Daily Garage Inspection Repairs (1921)	210	Summer, 2012
43	Hourly Garage Inspection Improvements (9415)	2,260	Underway
44	Hourly Garage Animal Relief Area & Tunnel Leakage Design (9322)	694	Fall, 2011
<b><u>Martin State</u></b>			
45	MTN Water Supply for Fire System (1433)	2,528	Underway
<b><u>Regional Aviation</u></b>			
46	Aid to Public/Private Airports (MAPA-90%) (1106)	1,250	Underway
47	Regional Aviation Program (1107)	600	Underway
48	Statewide Aviation Grants (AIP-5%) (1105)	1,000	Underway
<b><u>Security</u></b>			
49	TSA Baggage Screening Improvements (9000)	3,176	Underway
50	Gate J Improvements (1922)	100	Underway
51	Security Initiatives (1298)	240	Underway
<b><u>Terminal Development</u></b>			
52	Fixed Emergency Backup Systems Design (9312)	30	Complete
53	Energy Performance Projects (9430)	1,500	Complete
54	Pier C Gravity Sewer Main Improvements (8305)	417	Complete

**SYSTEM PRESERVATION MINOR PROJECTS PROGRAM**

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

ITEM NO.	DESCRIPTION AND IMPROVEMENT TYPE	TOTAL ESTIMATED COST (\$000's)	CONSTRUCTION START
<b><u>FY 2012 and Prior (cont'd)</u></b>			
<b><u>Terminal Development (cont'd)</u></b>			
55	Terminal Improvement Project (7017)	7,627	Underway
56	ADA Restroom Access Study (9418)	100	Underway
57	VALE Solar Funding Evaluation (9424)	20	Underway
58	Terminal Interior / Exterior Modifications (8014)	555	Underway
59	County Sewer and Water Capital Improvements (1028)	8,778	Ongoing
60	Facility Management Program (7600)	242	Ongoing
61	Utilities Connection (7020)	78	Ongoing
62	Terminal Leasehold Modifications (7500)	479	Ongoing
63	Chesapeake Lounge Renovation (9423)	420	Fall, 2011
64	Terminal Interior / Exterior Modifications (1914)	400	Fall, 2011
65	FAA Control Tower Glass Replacement (1940)	792	Fall, 2011
<b><u>FY 2013</u></b>			
<b><u>Airport Technology</u></b>			
66	Permanent Noise Monitoring System Replacement (7405)	1,578	Summer, 2012
<b><u>Airside Development</u></b>			
67	Runway 15L Deicing Recovery Tanks (9012)	188	Summer, 2012
<b><u>Annual</u></b>			
68	Bridge Inspection (SHA Consultant) (1023)	80	Summer, 2012
69	Terminal Spaceframe Inspection (7000)	100	Summer, 2012

**SYSTEM PRESERVATION MINOR PROJECTS PROGRAM**

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

ITEM NO.	DESCRIPTION AND IMPROVEMENT TYPE	TOTAL ESTIMATED COST (\$000's)	CONSTRUCTION START
<b><u>FY 2013 (cont'd)</u></b>			
<b><u>Baltimore/Washington</u></b>			
70	BWI / MTN Environmental Documents (9003)	1,500	Summer, 2012
71	Comp Acoustical Services Contract (1918)	200	Summer, 2012
72	Comp Landside Eng Design Sevices (1917)	50	Summer, 2012
73	Comp Real Estate Services (1919)	225	Summer, 2012
<b><u>Equipment</u></b>			
74	Aircraft Rescue Firefighting (ARFF) Unit - Replacement (9200)	800	Summer, 2012
75	Medic Unit - Replacement (9406)	170	Summer, 2012
76	Quint - Replacement (9201)	800	Summer, 2012
77	Shift Commander Response Vehicle (9425)	150	Summer, 2012
<b><u>Landside Development</u></b>			
78	Landside Comprehensive Paving - FY 2012 (9014)	500	Summer, 2012
<b><u>Martin State</u></b>			
79	MTN Air Traffic Control Tower(1121)	950	Fall, 2012
80	MTN Additional Storage Tanks in Fuel Farm - Design (9420)	10	Summer, 2012
81	MTN Obstruction Survey and Removal (9431)	400	Summer, 2012
<b><u>Regional Aviation</u></b>			
82	Aid to Public/Private Airports (MAPA-90%) (1106)	1,250	Summer, 2012
83	Regional Aviation Program (1107)	600	Summer, 2012
84	Statewide Aviation Grants (AIP-5%) (1105)	1,000	Summer, 2012

**SYSTEM PRESERVATION MINOR PROJECTS PROGRAM**

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

ITEM NO.	DESCRIPTION AND IMPROVEMENT TYPE	TOTAL ESTIMATED COST (\$000's)	CONSTRUCTION START
	<b><u>FY 2013 (cont'd)</u></b>		
	<b><u>Security</u></b>		
85	Security Initiatives (1298)	275	Summer, 2012
	<b><u>Terminal Development</u></b>		
86	Painting Terminal Exterior - Airside (7301)	130	Summer, 2012
87	Pier C Cooling Tower Replacement (9403)	2,331	Summer, 2012
88	Pier C Sewer Line Replacement (1941)	275	Summer, 2012
89	Terminal Interior / Exterior Modifications (8014)	500	Summer, 2012