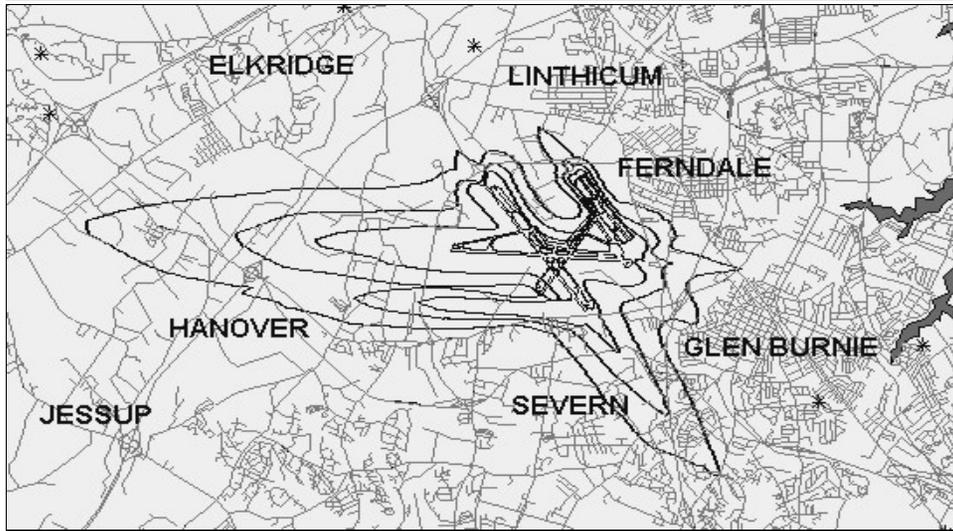


MARYLAND AVIATION ADMINISTRATION

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

	<u>FY 2009</u>	<u>FY 2010</u>	<u>FY 2011</u>	<u>FY 2012</u>	<u>FY 2013</u>	<u>FY 2014</u>	<u>SIX-YEAR TOTAL</u>
<u>Construction Program</u>							
Major Projects	37.0	40.6	18.2	21.3	20.4	20.4	157.9
System Preservation Minor Projects	40.3	40.6	45.7	48.4	58.6	67.1	300.7
<u>Development & Evaluation Program</u>	<u>3.7</u>	<u>4.3</u>	<u>9.4</u>	<u>5.9</u>	<u>4.7</u>	<u>-</u>	<u>28.0</u>
SUBTOTAL	81.0	85.5	73.3	75.6	83.7	87.5	486.6
<u>Capital Salaries, Wages & Other Costs</u>	<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>
TOTAL	87.1	91.6	79.4	81.7	89.8	93.6	523.2
Special Funds	33.6	26.9	43.8	40.7	42.6	47.2	234.8
Federal Funds	2.6	1.1	11.9	5.2	4.3	4.3	29.4
Other Funding *	50.9	63.6	23.7	35.8	42.9	42.1	259.0
<u>Other Funding Breakdown*</u>							
TSA	3.7	12.7	1.4	1.4	-	-	19.2
RAA	6.0	6.0	4.0	2.0	1.0	1.0	20.0
PFC	39.3	43.4	18.3	32.4	41.9	41.1	216.4
MEDCO	(0.2)	-	-	-	-	-	(0.2)
MdTA	1.6	-	-	-	-	-	1.6
COPS	-	-	-	-	-	-	-
CFC	0.5	1.5	-	-	-	-	2.0
	<u>50.9</u>	<u>63.6</u>	<u>23.7</u>	<u>35.8</u>	<u>42.9</u>	<u>42.1</u>	<u>259.0</u>



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.

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

STATUS: MAA has acquired 250 properties through FY 2008.

SMART GROWTH STATUS:

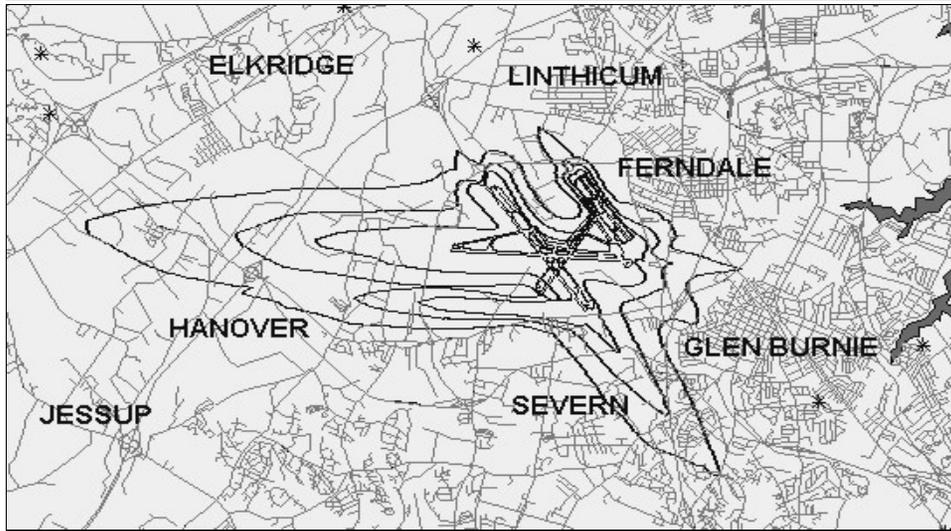
- Project Not Location Specific or Location Not Determined
- Project Within PFA
- Grandfathered
- Project Outside PFA; Subject to Exception
- Exception Approved by BPW/MDOT

ASSOCIATED IMPROVEMENTS:

Homeowner Assistance Program -- Line 2

SIGNIFICANT CHANGE FROM FY 2008 - 13 CTP: None.

POTENTIAL FUNDING SOURCE:		<input checked="" type="checkbox"/> SPECIAL		<input checked="" type="checkbox"/> FEDERAL		<input type="checkbox"/> GENERAL		<input type="checkbox"/> OTHER			
PHASE	TOTAL ESTIMATED COST (\$000)	EXPEND THRU 2008	CURRENT YEAR 2009	BUDGET YEAR 2010	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE	
					.....2011.....	.....2012.....	.....2013.....	.....2014.....		
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	33,814	33,814	0	0	0	0	0	0	0	0	
Construction	0	0	0	0	0	0	0	0	0	0	
Total	33,863	33,863	0	0	0	0	0	0	0	0	
Federal-Aid	23,687	23,687	0	0	0	0	0	0	0	0	



STATUS: MAA has participated in the soundproofing of 670 properties and sales assistance for 113 homes through FY 2008.

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.

JUSTIFICATION: 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.

SMART GROWTH STATUS:

- Project Not Location Specific or Location Not Determined
- Project Within PFA
- Grandfathered
- Project Outside PFA; Subject to Exception
- Exception Approved by BPW/MDOT

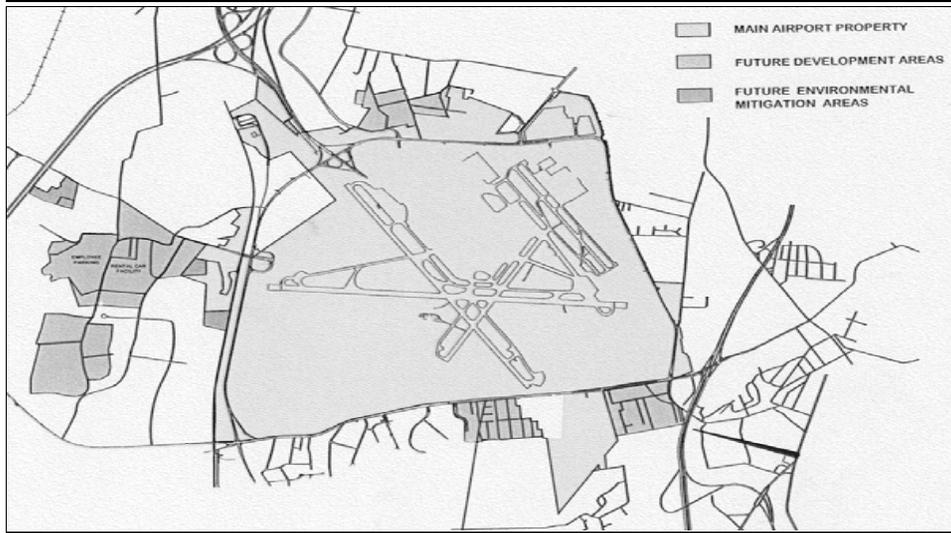
ASSOCIATED IMPROVEMENTS:

Noise Zone Land Acquisition Program -- Line 1

SIGNIFICANT CHANGE FROM FY 2008 - 13 CTP: Cost increase of \$0.5 million due to revised cost estimates.

<u>POTENTIAL FUNDING SOURCE:</u>		<input checked="" type="checkbox"/> SPECIAL		<input checked="" type="checkbox"/> FEDERAL		<input type="checkbox"/> GENERAL		<input type="checkbox"/> OTHER		
PHASE	TOTAL ESTIMATED COST (\$000)	EXPEND THRU 2008	CURRENT YEAR 2009	BUDGET YEAR 2010	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
					.....2011.....	.....2012.....	.....2013.....	.....2014.....		
Planning	0	0	0	0	0	0	0	0	0	0
Engineering	455	429	3	5	5	5	5	3	26	0
Right-of-way	27,080	22,336	500	500	936	936	936	936	4,744	0
Construction	0	0	0	0	0	0	0	0	0	0
Total	27,535	22,765	503	505	941	941	941	939	4,770	0
Federal-Aid	14,492	11,372	0	0	780	780	780	780	3,120	0

PROJECT PHASE	FFY	FUND CATEGORY	FEDERAL FUND AMOUNT
RW	2010	AIP	780
RW	2011	AIP	780
RW	2012	AIP	780
RW	2013	AIP	780



STATUS: On hold.

PROJECT: Protective Land Acquisition Program

DESCRIPTION: This program provides for the purchase of property in the immediate vicinity of BWI Marshall and/or Martin State (MTN) airports to ensure its availability in future years for potential aviation purposes.

JUSTIFICATION: This multi-year program provides the opportunity to protect property for future airport-related facilities, environmental requirements, and to ensure compatible land-use around the airports.

SMART GROWTH STATUS:

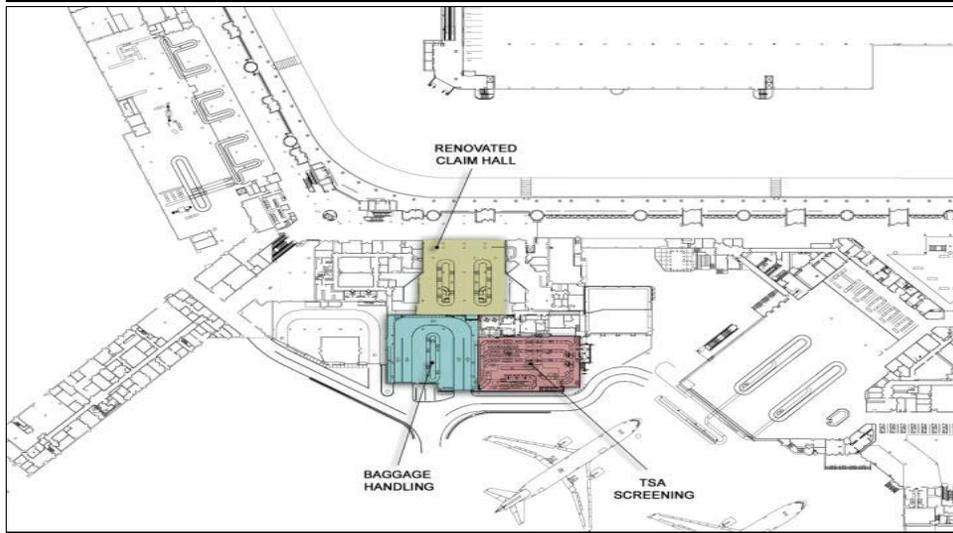
- Project Not Location Specific or Location Not Determined
- Project Within PFA
- Grandfathered
- Project Outside PFA; Subject to Exception
- Exception Approved by BPW/MDOT

ASSOCIATED IMPROVEMENTS:

None.

SIGNIFICANT CHANGE FROM FY 2008 - 13 CTP: Cost reduction of \$10.5 million due to \$1.0 million FY 2009 legislative reduction, and \$9.5 million as part of cost containment.

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 2008	CURRENT YEAR 2009	BUDGET YEAR 2010	FOR PLANNING PURPOSES ONLY	FOR PLANNING PURPOSES ONLY	FOR PLANNING PURPOSES ONLY	FOR PLANNING PURPOSES ONLY		
					.....2011.....	.....2012.....	.....2013.....	.....2014.....		
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	13,228	12,211	17	0	1,000	0	0	0	1,017	0
Construction	0	0	0	0	0	0	0	0	0	0
Total	13,228	12,211	17	0	1,000	0	0	0	1,017	0
Federal-Aid	0	0	0	0	0	0	0	0	0	0



STATUS: Construction underway.

PROJECT: Concourse D/E Baggage Screening System and Baggage Claim Expansion at BWI Marshall Airport

DESCRIPTION: This project will reconfigure the existing baggage screening and baggage make-up system to an integrated baggage security and handling system. Improvements will include changes to the baggage system configuration, sort loop, curbside check-in, redundant feed for ticket counters, equipment, and expansion of the current building structure. Work will also include upgrade of baggage claim area.

JUSTIFICATION: The ability to maintain 100 percent electronic baggage screening, while achieving the necessary capacity to meet projected airline departure flight schedules, is dependent upon BWI Marshall attaining the maximum utilization of bag screening technology. The project will also address baggage claim crowding.

SMART GROWTH STATUS:

- Project Not Location Specific or Location Not Determined
- Project Within PFA
- Project Outside PFA; Subject to Exception
- Grandfathered
- Exception Approved by BPW/MDOT

ASSOCIATED IMPROVEMENTS:

None.

SIGNIFICANT CHANGE FROM FY 2008 - 13 CTP: The \$2.3 million increase reflects actual bids for project.

POTENTIAL FUNDING SOURCE:										
	<input type="checkbox"/> SPECIAL <input type="checkbox"/> FEDERAL <input type="checkbox"/> GENERAL <input checked="" type="checkbox"/> OTHER									
PHASE	TOTAL ESTIMATED COST (\$000)	TOTAL EXPEND THRU 2008	CURRENT YEAR 2009	BUDGET YEAR 2010	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
					.....2011.....	.....2012.....	.....2013.....	.....2014.....		
Planning	0	0	0	0	0	0	0	0	0	0
Engineering	4,240	2,146	2,094	0	0	0	0	0	2,094	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	34,763	73	14,553	20,137	0	0	0	0	34,690	0
Total	39,003	2,219	16,647	20,137	0	0	0	0	36,784	0
Federal-Aid	0	0	0	0	0	0	0	0	0	0

USAGE: Accommodate projected annual passenger growth.

OPERATING COST IMPACT: Airlines are responsible for operating & maintenance costs.

Other funding source is Passenger Facility Charge (PFC) revenue.
1539



STATUS: Airfield taxiway paving and Concourse D/E ramp reconstruction complete September 2008. C/D ramp reconstruction design complete. Construction scheduled to begin in FY 2012

PROJECT: Airfield Pavement Improvement Program at BWI Marshall Airport

DESCRIPTION: This project includes the reconstruction and overlay of multiple taxiways, and the reconstruction of aircraft ramp areas between Concourses D & E and Concourses C & D. The work includes pavement removal and reconstruction, improvements to drainage structures, upgrades to deicing collection facilities, installation of centerline lighting on taxiways, and ramp lighting. The work will be accomplished in multiple phases to minimize impacts to airfield operations and maintain appropriate access for terminal gate usage.

JUSTIFICATION: The project will enhance airfield safety and operations through reconstruction of pavement, 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.

SMART GROWTH STATUS:

- Project Not Location Specific or Location Not Determined
- Project Within PFA
- Grandfathered
- Project Outside PFA; Subject to Exception
- Exception Approved by BPW/MDOT

ASSOCIATED IMPROVEMENTS:

None.

SIGNIFICANT CHANGE FROM FY 2008 - 13 CTP: Cost increase of \$1.8 million due to actual construction costs. Schedule reflects need to defer C/D ramp reconstruction based on PFC Paygo revenue availability.

<u>POTENTIAL FUNDING SOURCE:</u>		<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 2008	CURRENT YEAR 2009	BUDGET YEAR 2010	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE	
					.....2011.....	.....2012.....	.....2013.....	.....2014.....		
Planning	0	0	0	0	0	0	0	0	0	0	
Engineering	4,879	3,947	172	0	760	0	0	0	932	0	
Right-of-way	0	0	0	0	0	0	0	0	0	0	
Construction	109,483	47,140	7,286	0	0	18,352	18,352	18,353	62,343	0	
Total	114,362	51,087	7,458	0	760	18,352	18,352	18,353	63,275	0	
Federal-Aid	19,979	19,857	122	0	0	0	0	0	122	0	

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. 1469, 7011, 7013



STATUS: Design complete.

PROJECT: Comprehensive Roadway Signing, Phase II at BWI Marshall Airport

DESCRIPTION: This project is the final phase of the new Comprehensive Roadway Sign System for BWI Marshall 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.

JUSTIFICATION: The signage improvements will establish consistency and clarification among signage that directs travelers to the terminal, parking, and rental car facilities.

SMART GROWTH STATUS:

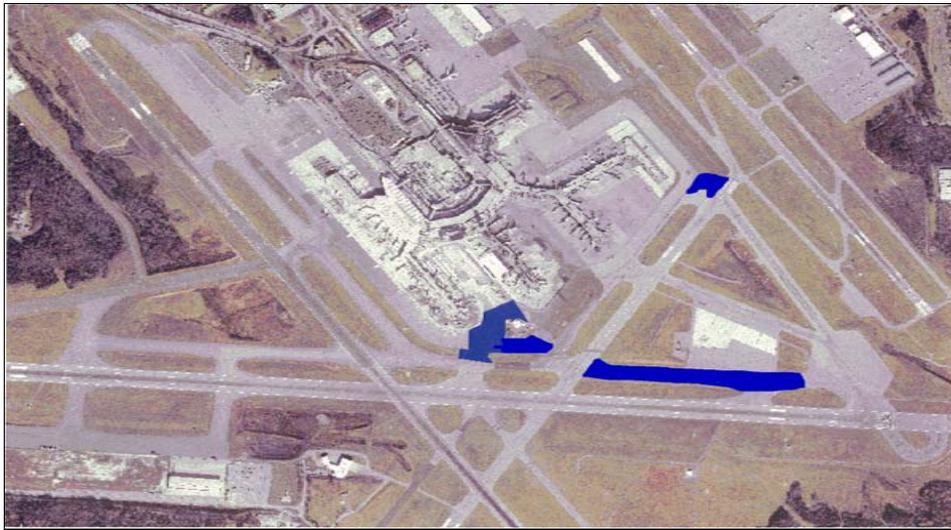
- Project Not Location Specific or Location Not Determined
- Project Within PFA
- Grandfathered
- Project Outside PFA; Subject to Exception
- Exception Approved by BPW/MDOT

ASSOCIATED IMPROVEMENTS:

None.

SIGNIFICANT CHANGE FROM FY 2008 - 13 CTP: Project delayed one year due to design revision.

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 2008			2009	20102011.....2012.....		2013.....	.....2014.....
Planning	0	0	0	0	0	0	0	0	0	0	
Engineering	316	278	38	0	0	0	0	0	0	38	
Right-of-way	0	0	0	0	0	0	0	0	0	0	
Construction	3,502	11	550	2,941	0	0	0	0	0	3,491	
Total	3,818	289	588	2,941	0	0	0	0	0	3,529	
Federal-Aid	0	0	0	0	0	0	0	0	0	0	



STATUS: Concourse B/C ramp reconstruction and connected taxiway design complete. Taxiway U design is underway.

PROJECT: Airfield Pavement Improvement Program Phase II at BWI Marshall Airport

DESCRIPTION: This project includes the reconstruction and overlay of multiple taxiways and the reconstruction of a portion of the ramp between Concourses B and C. The work includes pavement removal and reconstruction, additional underdrains and installation of centerline lighting on taxiways. The work will be accomplished in multiple phases to minimize impacts to airfield operations and maintain appropriate access for terminal gate usage.

JUSTIFICATION: The project will enhance airfield safety and operations through reconstruction of pavement and upgrade of airfield lighting to meet FAA standards. The areas identified for upgrades were determined through independent pavement analysis as required by the FAA.

SMART GROWTH STATUS:

- Project Not Location Specific or Location Not Determined
- Project Within PFA
- Grandfathered
- Project Outside PFA; Subject to Exception
- Exception Approved by BPW/MDOT

ASSOCIATED IMPROVEMENTS:

None.

SIGNIFICANT CHANGE FROM FY 2008 - 13 CTP: Project added to the Construction Program from System Preservation.

POTENTIAL FUNDING SOURCE:		<input type="checkbox"/> SPECIAL		<input checked="" type="checkbox"/> FEDERAL		<input type="checkbox"/> GENERAL		<input checked="" type="checkbox"/> OTHER		
PHASE	TOTAL ESTIMATED COST (\$000)	EXPEND THRU 2008	CURRENT YEAR 2009	BUDGET YEAR 2010	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
					.....2011.....	.....2012.....	.....2013.....	.....2014.....		
Planning	0	0	0	0	0	0	0	0	0	0
Engineering	900	0	663	237	0	0	0	0	900	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	22,036	0	95	10,544	11,397	0	0	0	22,036	0
Total	22,936	0	758	10,781	11,397	0	0	0	22,936	0
Federal-Aid	6,233	0	0	0	6,233	0	0	0	6,233	0

Other funding sources is Passenger Facility Charge (PFC) revenue.
1710, 9316

FEDERAL FUNDING OBLIGATIONS BY YEAR			
PROJECT PHASE	FFY	FUND CATEGORY	FEDERAL FUND AMOUNT
CO	2010	AIP	6,233

USAGE: Accommodate projected annual passenger growth.

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



STATUS: Construction completed December 2007. Cash flow reflects continued payment commitment through FY 2014.

PROJECT: Hagerstown Airport Expansion

DESCRIPTION: This was a multi-year project to expand Runway 09-27 at Hagerstown Regional Airport. The project lengthened the runway from 5,500 feet to 7,000 feet, and included associated land acquisition, hold apron, stormwater management, roadway and bridge improvements to US 11.

JUSTIFICATION: The Runway 09-27 improvement I corrected numerous non standard conditions, most importantly, the lack of adequate Runway Safety Area (RSA) beyond the ends of the pavement. Also, the previous runway length limited the Airport in accommodating larger aircraft necessary to meet the growth in the region. The extension better facilitates larger aircraft, as well as, avoiding reduction of runway length as an alternative resolution of RSA issues.

SMART GROWTH STATUS:

- Project Not Location Specific or Location Not Determined
- Project Within PFA
- Project Outside PFA; Subject to Exception
- Grandfathered
- Exception Approved by BPW/MDOT

ASSOCIATED IMPROVEMENTS:

None.

SIGNIFICANT CHANGE FROM FY 2008 - 13 CTP: None.

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 2008			2009	20102011.....2012.....			.....2013.....	.....2014.....
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	59,194	38,434	6,314	6,202	4,060	2,062	1,062	1,060	20,760	0
Total	59,194	38,434	6,314	6,202	4,060	2,062	1,062	1,060	20,760	0
Federal-Aid	0	0	0	0	0	0	0	0	0	0

USAGE: Approximately 15,000 annual passengers.

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.



STATUS: Underway.

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. 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 lane 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 and the aviation industry have changed significantly since the completion of the last Master Plan.

SMART GROWTH STATUS:

- Project Not Location Specific or Location Not Determined
- Project Within PFA
- Project Outside PFA; Subject to Exception
- Grandfathered
- Exception Approved by BPW/MDOT

ASSOCIATED IMPROVEMENTS:

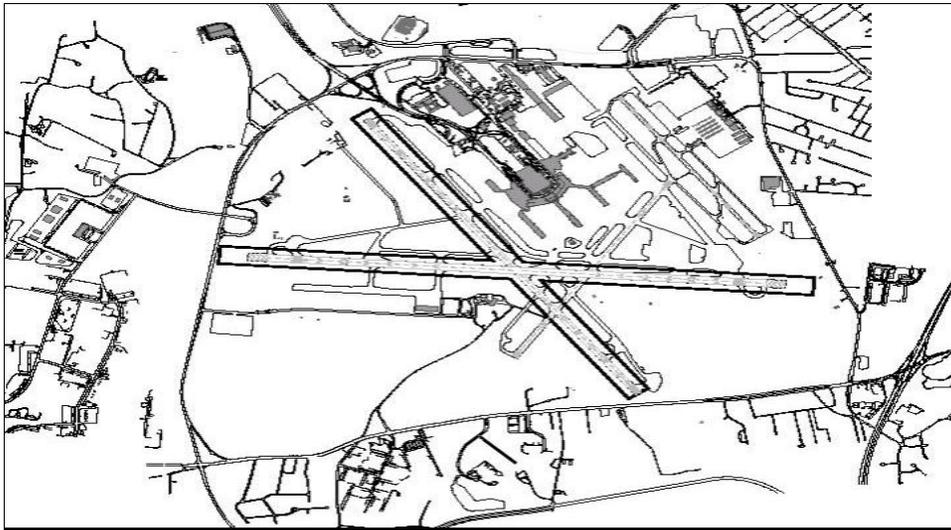
None.

SIGNIFICANT CHANGE FROM FY 2008 - 13 CTP: Cost decrease of \$5.6 million reflects rephasing of the project to accomplish with existing federal grant.

POTENTIAL FUNDING SOURCE:										
	<input checked="" type="checkbox"/> SPECIAL <input checked="" type="checkbox"/> FEDERAL <input type="checkbox"/> GENERAL <input type="checkbox"/> OTHER									
PHASE	ESTIMATED COST (\$000)	EXPEND THRU 2008	CURRENT YEAR 2009	BUDGET YEAR 2010	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
					.....2011.....	.....2012.....	.....2013.....	.....2014.....		
Planning	6,876	5,284	1,592	0	0	0	0	0	1,592	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	6,876	5,284	1,592	0	0	0	0	0	1,592	0
Federal-Aid	4,200	3,129	1,071	0	0	0	0	0	1,071	0

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

1013, 1119, 1122, 1413



STATUS: Underway.

PROJECT: Interim Airport Layout Plan Environmental Assessment at BWI Marshall Airport

DESCRIPTION: This project provides for the study of the environmental impacts of all capital projects shown on the current Airport Layout Plan. Projects include: runway safety areas, terminal, fuel farm improvements, administrative office building, perimeter roadway, hourly garage, midfield cargo extension, Northrup Grumman apron and hangar, airport maintenance buildings, 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:

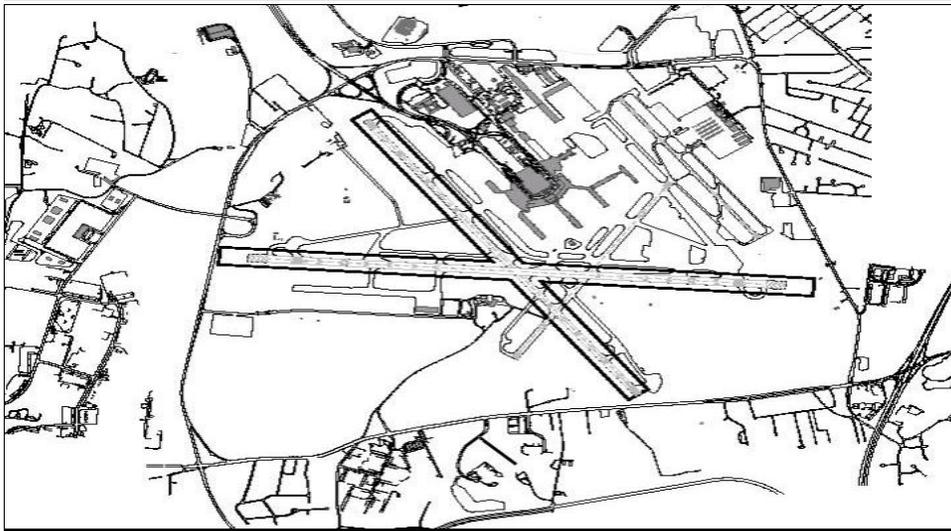
- Project Not Location Specific or Location Not Determined
- Project Within PFA
- Project Outside PFA; Subject to Exception
- Grandfathered
- Exception Approved by BPW/MDOT

ASSOCIATED IMPROVEMENTS:

Airfield Pavement Improvements Design at BWI Marshall Airport -- Line 11

SIGNIFICANT CHANGE FROM FY 2008 - 13 CTP: Cost reduction of \$2.0 million reflects a revision in the scope of the project and an accepted bid for work. Federal planning grant received.

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 2008	CURRENT YEAR 2009	BUDGET YEAR 2010	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE	
					.....2011.....	.....2012.....	.....2013.....	.....2014.....		
Planning	810	7	803	0	0	0	0	0	803	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	810	7	803	0	0	0	0	0	803	0	
Federal-Aid	607	0	607	0	0	0	0	0	607	0	



STATUS: ALP design support underway.

PROJECT: Airfield Pavement Area Improvements Design at BWI Marshall Airport

DESCRIPTION: This project consists of the design work necessary to support the environmental assessment of the Runway Safety Area (RSA) improvement alternatives, other current Airport Layout Plan (ALP) improvements, and pavement reconstruction to address FAA standards. RSA schedule to focus initially on Runway 10-28 followed by runway 15R-33L. The BWI Master Plan will determine the RSA improvements for Runways 33R and 4-22.

JUSTIFICATION: In 2000, the FAA determined that the Airport's RSAs do not meet standards and must be brought into compliance by 2015. MAA conducted an RSA Compliance Study between 2002 and 2004, which examined RSA deficiencies and made recommendations for improvements to comply with FAA standards. The recommended "preferred alternatives" from the RSA Compliance Study are now shown on the Interim ALP. Pavement reconstruction areas were determined through independent pavement analysis as required by the FAA.

SMART GROWTH STATUS:

- Project Not Location Specific or Location Not Determined
- Project Within PFA
- Project Outside PFA; Subject to Exception
- Grandfathered
- Exception Approved by BPW/MDOT

ASSOCIATED IMPROVEMENTS:

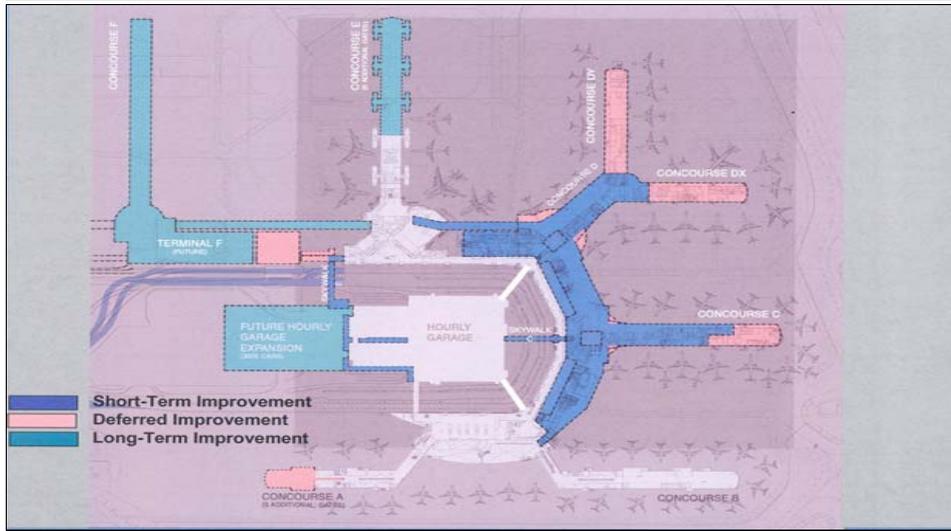
Interim Airport Layout Plan Environmental Assessment at BWI Marshall Airport -- Line 10

SIGNIFICANT CHANGE FROM FY 2008 - 13 CTP: Cost increase of \$0.9 million reflects addition of federal planning grant for ALP design support.

<u>POTENTIAL FUNDING SOURCE:</u>		<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 2008	CURRENT YEAR 2009	BUDGET YEAR 2010	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
					.....2011.....	.....2012.....	.....2013.....	.....2014.....		
Planning	0	0	0	0	0	0	0	0	0	0
Engineering	6,853	0	486	367	2,049	2,074	1,877	0	6,853	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	6,853	0	486	367	2,049	2,074	1,877	0	6,853	0
Federal-Aid	515	0	294	221	0	0	0	0	515	0

FEDERAL FUNDING OBLIGATIONS BY YEAR			
PROJECT PHASE	FFY	FUND CATEGORY	FEDERAL FUND AMOUNT
PE	2009	AIP	515

Other funding source is Passenger Facility Charge (PFC) Revenue.
1617



STATUS: Terminal Modernization Plan Part 1 concept design underway.

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 to be evaluated, along with conceptual design as warranted, include Concourses C, D, and E, 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. Terminal A/B and the International Terminal 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 Location Not Determined
- Project Within PFA
- Project Outside PFA; Subject to Exception
- Grandfathered
- Exception Approved by BPW/MDOT

ASSOCIATED IMPROVEMENTS:

None.

SIGNIFICANT CHANGE FROM FY 2008 - 13 CTP: Cost increase of \$14.8 million reflects addition of planning and design for Concourse D/E Part 1.

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 2008	CURRENT YEAR 2009	BUDGET YEAR 2010	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
					.....2011.....	.....2012.....	.....2013.....	.....2014.....		
Planning	2,768	985	777	1,006	0	0	0	0	1,783	0
Engineering	9,000	0	0	2,946	5,051	501	502	0	9,000	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	7,000	0	0	0	2,315	2,343	2,342	0	7,000	0
Total	18,768	985	777	3,952	7,366	2,844	2,844	0	17,783	0
Federal-Aid	0	0	0	0	0	0	0	0	0	0

Other funding sources is Passenger Facility Charge (PFC) revenue.
8101, 9010

SYSTEM PRESERVATION MINOR PROJECTS PROGRAM

MARYLAND AVIATION ADMINISTRATION - LINE 13

ITEM NO.	DESCRIPTION AND IMPROVEMENT TYPE	TOTAL ESTIMATED COST (\$000's)	CONSTRUCTION START
<u>FY 2009 and Prior</u>			
<u>Airport Technology</u>			
1	MAA Airport Technology Master Plan & Strategic Plan (1330)	834	Complete
2	Security CCTV Upgrades (1246)	1,237	Complete
3	Equipment and Safety Training Systems (7303)	2,303	Complete
4	CADD Based Facility Management Software (7600)	120	Underway
5	IT Equipment (1456)	573	Underway
6	IT Services (1455)	28	Underway
7	Security Division Document System (9203)	50	Underway
<u>Airside Development</u>			
8	B/C Airfield Ramp Regrading (1510)	11,273	Complete
9	B/C Airfield Ramp Regrading, Phase II (1610)	5,704	Complete
10	Fire Training Facility & Fire Pit Improvements (1454)	2,000	Complete
11	Runway 28 Deicing Pad Water Line and Electrical (8002)	450	Complete
12	Underground Airfield Fire Hydrants (5) (1521)	2,235	Complete
13	Artificial Turf Installation on Airfield - Pilot Area A (8200)	555	Complete
14	BWI 15R/133L Pavement Rehab (9007)	3,378	Complete
15	Remote Monitoring 15R Triturator Building (9310)	14	Complete
16	Deicing Fluid Storage Tank #1 and 2 Repair plus General Aviation (9004)	213	Underway
17	BWI Obstruction Removal (1313)	42	Underway
18	Comprehensive Paving 2006 (1467)	390	Underway
19	Comprehensive Paving FY 2008 (8007)	1,387	Underway
20	Taxiway E Reconfiguration (8203)	96	Underway
21	UR - Airfield Lighting Cable Replacement (1351)	10,882	Underway
22	Airfield Pavement Milling Equipment (9320)	110	Spring, 2009

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
<u>FY 2009 and Prior (cont'd)</u>			
<u>Annual</u>			
23	Terminal Tenant Modifications (7500)	3	Complete
24	Airfield Structures Inspections (7005)	75	Underway
25	Real Estate Administrative Services (7019)	249	Underway
26	Real Estate Property Services (7018)	191	Underway
27	Retaining Wall Inspection (8001)	100	Underway
28	Terminal Spaceframe Inspection (7000)	124	Underway
29	Airport Obstruction - Survey (7201)	100	Underway
30	Bridge Inspection (SHA Consultant) (1023)	200	Underway
<u>Baltimore/Washington</u>			
31	Comprehensive Planning- AE-01-006/013 (1186)	2,895	Complete
32	Safety Management Program (1273)	231	Complete
33	Comp Construction Mgmt & Inspection Services (1188)	2,988	Underway
34	Comprehensive Design Services - AE01-007-010 (1185)	7,156	Underway
35	A/E Consultants for Building Permits (1390)	339	Underway
36	Wildlife Management Plan (1181)	875	Underway
37	Fire Protection Engineer Services (1173)	125	Underway
38	Comp Environmental Planning AE-05-003-005 (1460)	4,822	Underway
39	Comp. Architectural Engineering Design Services (1324)	5,064	Underway
40	Comprehensive Airport Facilities Planning (1459)	4,636	Underway
41	Comprehensive Aviation Planning Services (1113)	2,105	Underway
42	Comprehensive Intermodal & Terminal Planning Services (1114)	3,093	Underway
43	Comp Business Planning Services (1271)	517	Underway
44	Acoustical Services Contract (1485)	591	Underway
45	Comp Arch Eng Design Services (7015)	2,460	Underway
46	Comp Construction Mgmt & Inspection (7016)	1,827	Underway
47	Comprehensive MBE/DBE Program Monitoring Services (1272)	611	Underway

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
<u>FY 2009 and Prior (cont'd)</u>			
<u>Baltimore/Washington (cont'd)</u>			
48	OECM - Engineering & Facilities Emergency Mapping Validation (1723)	1,001	Underway
49	Comp Commercial Facilities & Business Planning Services (1274)	487	Underway
50	Pavement Management BWI/MTN (1389)	1,755	Underway
51	Comp Stormwater Facilities (9006)	200	Underway
52	Comprehensive AIT Services (1291)	400	Underway
<u>Consolidated Rental Car Facility</u>			
53	Consolidated Rental Car Improvements (7311)	1,358	Complete
54	CRCF CSB Courtyard Improvements (8304)	1,895	Underway
<u>Environmental Compliance</u>			
55	East Tenant Parking Lot Erosion Repairs (8104)	1,125	Complete
56	Comp Environmental Compliance Services (1461)	8,850	Underway
57	Terminal Environmental Mitigation (8105)	150	Underway
58	Erosion & Stormwater Management Improvements (8103)	1,896	Underway
<u>Equipment</u>			
59	RI - FRD Self Contained Breathing Apparatus (9206)	666	Complete
<u>Information Technology CTIPP</u>			
60	MUFIDS/BIDS Upgrade, Ph I - Complete (1335)	3,283	Complete
61	IT - Engineering & Facilities Emergency Mapping Systems (1623)	1,294	Underway
62	External IT Infrastructure Upgrades (7401)	2,965	Underway
63	BWI Closed Circuit TV (CCTV) Replacement (7403)	38	Underway

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
<u>FY 2009 and Prior (cont'd)</u>			
<u>Landside Development</u>			
64	MdTA Police OT-Movement of Traffic (1378)	697	Complete
65	BWI Airport Gateway Treatment (1591)	440	Complete
66	Hourly Parking Garage Renovation (1464)	3,699	Complete
67	UR - Fire Protection - Hourly Garage Improvements (1474)	3,377	Complete
68	Elkridge Landing Road Retaining Wall Repair (8008)	107	Complete
69	Terminal Complex Roadway Resurfacing (7008)	1,163	Complete
70	Lightning Strike Evaluation and Repair (1458)	162	Underway
71	Bridge/Ramp/Jenne Joint Repairs - Hourly Garage (8004)	1,621	Underway
72	Hourly Garage Tunnel Leakage (9319)	120	Spring, 2009
<u>Martin State</u>			
73	MTN Fuel Farm Renovations (1530)	2,331	Complete
74	MTN Tenant Ramp Extension (1196)	6,454	Complete
75	MTN Hangar Stormwater/Sewer Improvement (9301)	70	Underway
76	MTN Environmental EIS Document (9003)	100	Underway
77	MTN Stormwater Management (1094)	210	Underway
78	MTN Computer & Radio Rooms Fire Suppression (9302)	23	Spring, 2009
<u>Regional Aviation</u>			
79	Easton - Air Traffic Control Tower (9700)	1,512	Complete
80	Statewide - Airport Pavement (1607)	224	Underway
81	Statewide - Airport System Plan (ASP) Update/Revision (1608)	516	Underway
82	Aid to Public/Private Airports (MAPA-90%) (1106)	1,000	Underway
83	Regional Aviation Program (1107)	350	Underway
84	Statewide Aviation Grants (AIP-5%) (1105)	750	Underway

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
<u>FY 2009 and Prior (cont'd)</u>			
<u>Security</u>			
85	ARFF Training Room Conversion to an EOC (7209)	406	Complete
86	BWI Perimeter Gates & Fencing Improvements (1245)	1,006	Complete
87	Checkpoint J Modifications - Now #9207 (7007)	18	Complete
88	Electronic Fingerprinting Machines - Replacement (3) (9202)	120	Complete
89	Security Initiatives (1298)	3,907	Underway
90	SIDA Access Improvements (9208)	283	Underway
91	RI - Baggage Security Cages (9205)	2,167	Spring, 2009
<u>Terminal Development</u>			
92	800 Mhz Emergency Digital Trunked Radio System (1334)	8,120	Complete
93	Heating & Ventilation, Water Heaters, and Controls Replacement at BWI (1302)	1,837	Complete
94	Tenant and Safety Modifications (1457)	445	Complete
95	Painting Terminal Exterior - Airside (7301)	1,067	Complete
96	Concourse D Floor Carpet Replacement (9308)	851	Complete
97	Pier E HVAC Expansion Joint Replacement (9305)	654	Complete
98	Sanitary Sewer Main Rehab Phase II (1453)	4,125	Complete
99	USO Lounge Renovation (7501)	80	Complete
100	Baggage Handling System (BHS) Upgrades (7001)	4,252	Underway
101	Terminal Building Interior / Exterior Modifications (7014)	2,955	Underway
102	BWI Water System Improvements (8306)	369	Underway
103	Tenant Emergency Paging Access (8202)	320	Underway
104	Terminal Improvement Project (7017)	11,203	Underway
105	Utilities Connection (7020)	75	Underway
106	County Sewer and Water Capital Improvements (1028)	1,557	Underway
107	International Pier Concession Relocation (9001)	1	Underway
108	Pier C PBX HVAC Replacement (7406)	789	Underway
109	Loading Bridge Metering (9318)	693	Spring, 2009

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
<u>FY 2009 and Prior (cont'd)</u>			
<u>Terminal Development (cont'd)</u>			
110	MAA Terminal Offices (9500)	2,100	Spring, 2009
111	Security Division Office Expansion (9204)	523	Spring, 2009
112	Terminal Interior / Exterior Modifications (8014)	2,500	Spring, 2009
113	TSA International Pier Baggage Screening (9000)	1,001	Spring, 2009
<u>FY 2010</u>			
<u>Airport Technology</u>			
114	IT Equipment (1456)	573	Summer, 2009
115	Permanent Noise Monitoring System Replacement (7405)	1,400	Spring, 2010
<u>Airside Development</u>			
116	Comprehensive Paving FY 2008 (8007)	1,003	Summer, 2009
117	Deicing Fluid Storage Tank #4 (9009)	863	Summer, 2009
<u>Information Technology CTIPP</u>			
118	BWI Closed Circuit TV (CCTV) Replacement (7403)	1,758	Summer, 2009
119	RI - Consolidated Dispatch Center (7200)	5,392	Summer, 2009
120	TSA Area CCTV Replacement (7404)	4,300	Summer, 2009
<u>Martin State</u>			
121	RI - MTN Fire Suppression (9298)	12	Fall, 2009

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
<u>FY 2010 (cont'd)</u>			
<u>Regional Aviation</u>			
122	Aid to Public/Private Airports (MAPA-90%) (1106)	1,000	Summer, 2009
123	Regional Aviation Program (1107)	350	Summer, 2009
124	Statewide Aviation Grants (AIP-5%) (1105)	750	Summer, 2009
<u>Security</u>			
125	Gate G Modifications (9207)	3,000	Summer, 2009
<u>Terminal Development</u>			
126	RI - Emergency Backup Systems (UR) (9312)	2,266	Summer, 2009
127	Pier C Gravity Sewer Main Improvements (8305)	326	Spring, 2010