

MDOT MARYLAND DEPARTMENT OF TRANSPORTATION

MARYLAND AVIATION ADMINISTRATION

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

	<u>Current</u>	<u>FY</u>	<u>Budget</u>	<u>FY</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>FY 2028</u>	<u>SIX - YEAR</u>
		<u>2023</u>		<u>2024</u>					<u>TOTAL</u>
<u>Major Construction Program</u>		201.1		227.6	197.2	118.2	81.3	75.4	900.7
System Preservation		83.2		68.2	28.6	25.6	31.4	35.4	272.4
Expansion/Efficiency		108.6		151.0	154.4	82.9	20.7	2.9	520.5
Safety & Security		8.7		5.2	11.5	7.1	27.2	35.3	95.0
Local Funding		0.6		2.7	1.8	1.8	1.8	1.8	10.5
Environment		0.1		0.5	0.9	0.7	0.2	-	2.3
<u>Major Development & Evaluation Program</u>		0.2		-	-	-	-	-	0.2
Expansion/Efficiency		0.0		-	-	-	-	-	0.0
Environment		0.2		-	-	-	-	-	0.2
<u>Minor Program</u>		70.6		79.1	32.8	26.3	6.0	21.3	236.1
System Preservation		35.5		53.1	20.8	13.5	6.0	12.0	140.9
Expansion/Efficiency		21.5		17.1	9.7	9.8	-	-	58.0
Safety & Security		6.3		6.1	0.0	-	-	2.0	14.4
Environment		3.6		1.8	1.9	1.9	-	1.6	10.7
Administration		3.7		1.0	0.5	1.1	-	5.6	12.0
<u>Capital Salaries, Wages & Other Costs</u>		6.0		5.8	6.6	7.0	7.0	7.0	39.4
TOTAL		277.8		312.5	236.6	151.5	94.3	103.6	1,176.4
Special Funds		115.1		110.9	24.3	23.3	38.9	52.9	365.4
Federal Funds		33.7		44.4	51.4	41.3	45.9	50.7	267.3
Other Funds		129.0		157.2	160.9	87.0	9.5	-	543.6



PROJECT: Regional Aviation Assistance Program

DESCRIPTION: The Statewide Aviation Grant Program provides State funding to match federal funding to government or public-owned airports for the repair and upgrade of runways, taxiways, ramps, and lighting systems, as well as, for the removal of trees and other obstacles from runway approaches. If the airport meets the program criteria the Federal Aviation Administration (FAA) will cover 90% of the costs with the State and the airport each contributing five percent of the total project cost. Assistance is also provided to private-owned airports, open to the public, for financial grants to improve runways, taxiways, navigation aids, and other safety related projects.

PURPOSE & NEED SUMMARY STATEMENT: This program supports the goals of the Maryland Department of Transportation to meet air service needs of Maryland and to promote safety and security, environmental stewardship, and economic development. There are over 130 licensed and registered airports in the State, of which 35 are public use facilities with three offering air carrier service.

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

STATUS: The program has eight (8) active projects at the start of FY23 and expected to award 19 new projects at various airports across the State in FY23.

POTENTIAL FUNDING SOURCE:

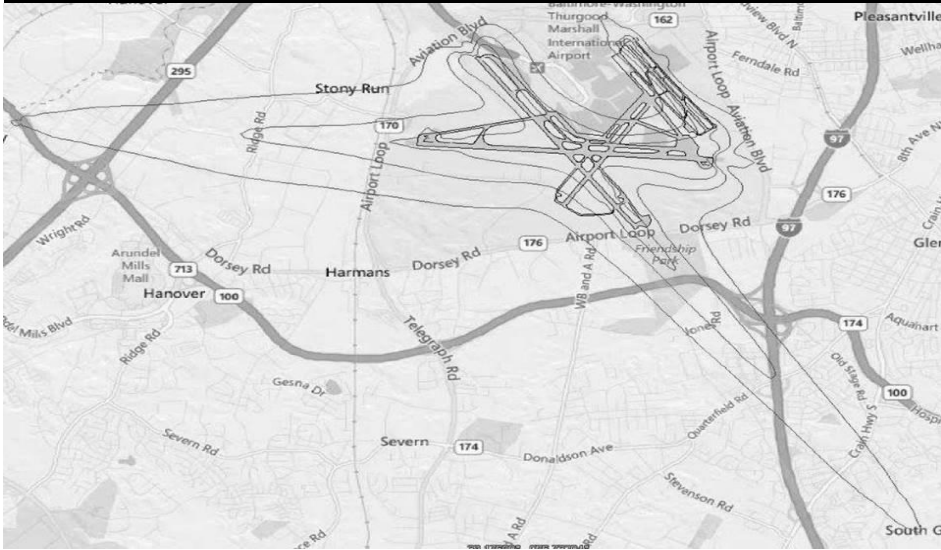
☒ SPECIAL ☐ FEDERAL ☐ GENERAL ☐ OTHER

PHASE	TOTAL ESTIMATED COST (\$000)	EXPENDED THRU CLOSE YEAR	PREVIOUS YEAR 2022	CURRENT YEAR 2023	BUDGET YEAR 2024	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
						...2025...	...2026...	...2027...	...2028...		
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	229	229	0	0	0	0	0	0	0	0	0
Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	79,679	65,932	2,220	3,848	2,700	1,800	1,800	1,800	1,800	13,748	0
Total	79,908	66,160	2,220	3,848	2,700	1,800	1,800	1,800	1,800	13,748	0
Federal-Aid	0	0	0	0	0	0	0	0	0	0	0
Special	79,908	66,160	2,220	3,848	2,700	1,800	1,800	1,800	1,800	13,748	0
Other	0	0	0	0	0	0	0	0	0	0	0

SIGNIFICANT CHANGE FROM FY 2022 - 27 CTP: \$3.0M was added to support increased federal matching requirements due to additional AIP Funding provided by the IIJA. In addition, FY 2028 funding was added to the program.

USAGE: N/A

OPERATING COST IMPACT: N/A

**PROJECT:** Residential Sound Insulation Program

DESCRIPTION: This voluntary program provides for the mitigation of aircraft noise for residential properties that currently fall within the 65 DNL Noise Exposure Map (NEM) contours approved by the Federal Aviation Administration. Under this multi-year program, eligible homeowners may elect to have their homes sound insulated to an interior noise level of 45 DNL in accordance with MAA and FAA standards. The program also includes voluntary residential property acquisition for specific eligible properties within the approved 65 DNL corridor. The State will receive an aviation easement for each property participating in the program.

PURPOSE & NEED SUMMARY STATEMENT: This program enhances the home environment for residents in communities neighboring BWI Marshall Airport that are located within the NEM contours by providing sound insulation improvements to eligible homes. Long term compatible land use is promoted through voluntary property acquisition of eligible properties based on local land use plans and zoning.

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

- | | |
|--|--|
| <input type="checkbox"/> Safe, Secure, and Resilient | <input type="checkbox"/> Quality & Efficiency |
| <input type="checkbox"/> Maintain & Modernize | <input checked="" type="checkbox"/> Environmental Protection |
| <input type="checkbox"/> Economic Opportunity & Reduce Congestion | <input type="checkbox"/> Fiscal Responsibility |
| <input type="checkbox"/> Better Transportation Choices & Connections | |

SMART GROWTH STATUS:

- | | |
|--|---|
| <input type="checkbox"/> Project Not Location Specific | <input type="checkbox"/> 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 |

EXPLANATION: This program enhances the environment of neighboring communities by providing homeowner sound mitigation for people living within designated noise zones near BWI Marshall Airport or acquires eligible residential parcels to accelerate transition to compatible land use.

STATUS: Five year program manager contract awarded January 2020. Three Federal AIP grants received to date for initial program implementation and design of a portion of eligible residences. Bids received on first construction contract for 18 single-family residences, award pending Board of Public Works approval with construction anticipated to start Spring 2023. Additional design/construction phases and corresponding funding requests from the AIP Noise and Environmental Set Aside will be pursued.

POTENTIAL FUNDING SOURCE:

☐ SPECIAL ☒ FEDERAL ☐ GENERAL ☒ OTHER

PHASE	TOTAL ESTIMATED COST (\$000)	EXPENDED THRU CLOSE YEAR	PREVIOUS YEAR 2022	CURRENT YEAR 2023	BUDGET YEAR 2024	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
						...2025...	...2026...	...2027...	...2028...		
Planning	0	0	0	0	0	0	0	0	0	0	0
Engineering	9,027	1,152	853	2,528	2,760	1,747	840	0	0	7,875	0
Right-of-way	1,357	357	357	550	450	0	0	0	0	1,000	0
Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	23,995	0	0	1,875	5,748	10,990	5,383	0	0	23,995	0
Total	34,379	1,509	1,210	4,953	8,958	12,737	6,223	0	0	32,870	0
Federal-Aid	28,103	1,475	1,210	4,229	7,231	10,189	4,978	0	0	26,628	0
Special	0	0	0	0	0	0	0	0	0	0	0
Other	6,276	34	0	723	1,727	2,547	1,245	0	0	6,242	0

SIGNIFICANT CHANGE FROM FY 2022 - 27 CTP:

None.

USAGE: N/A**OPERATING COST IMPACT:** N/A

2197 Other funding source is Passenger Facility Charge (PFC) revenue.



PROJECT: Shuttle Bus Service Fleet Replacement and Electric Bus Infrastructure at BWI Marshall Airport

DESCRIPTION: This project purchased twenty five 40-foot and fifteen 60-foot buses to be powered by clean diesel and will purchase eight electric buses for shuttle services to and from airport operated parking facilities and the Amtrak BWI Rail Station. This project includes preparing a site layout for electrical charging stations, which will allow for future expansion. The layout will allow for future expansion and will include site improvements such as new paving and curbs as necessary.

PURPOSE & NEED SUMMARY STATEMENT: The current fleet of 49 buses was purchased in 2004 and have passed their useful life of 12 years. The timely replacement of the existing buses will ensure sufficient capacity to handle customer growth, maintain service levels, and ensure passenger delays are not due to equipment.

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

<input type="checkbox"/>	Safe, Secure, and Resilient	<input checked="" type="checkbox"/>	Quality & Efficiency
<input checked="" type="checkbox"/>	Maintain & Modernize	<input checked="" type="checkbox"/>	Environmental Protection
<input type="checkbox"/>	Economic Opportunity & Reduce Congestion	<input type="checkbox"/>	Fiscal Responsibility
<input type="checkbox"/>	Better Transportation Choices & Connections		

EXPLANATION: Passenger ease of movement and airport access is a primary focus of the airport. These improvements provide reliable connections to and from airport operated parking facilities, and Amtrak/MARC rail station. BWI Marshall Airport supports the movement of people, goods and the State's economy.

SMART GROWTH STATUS:	<input type="checkbox"/> Project Not Location Specific	<input type="checkbox"/> 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	

STATUS: Forty clean diesel buses in passenger service in 2019. Purchasing eight electric buses and charging infrastructure in Summer 2023. Anticipated completion of charging infrastructure and delivery of buses FY 2024.

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)	EXPENDED THRU CLOSE YEAR	PREVIOUS YEAR 2022	CURRENT YEAR 2023	BUDGET YEAR 2024	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE		
Planning	0	0	0	0	0	0	0	0	0	0	0		
Engineering	370	218	218	72	80	0	0	0	0	152	0		
Right-of-way	0	0	0	0	0	0	0	0	0	0	0		
Utilities	0	0	0	0	0	0	0	0	0	0	0		
Construction	37,307	24,827	0	11,317	1,163	0	0	0	0	12,480	0		
Total	37,677	25,045	218	11,389	1,243	0	0	0	0	12,632	0		
Federal-Aid	95	95	0	0	0	0	0	0	0	0	0		
Special	5,497	218	218	4,036	1,243	0	0	0	0	5,279	0		
Other	32,085	24,732	0	7,353	0	0	0	0	0	7,353	0		

2210 Other funding source is Certificate of Participation (COPS) and Volkswagen grant. Federal funding was CARES stimulus.

SIGNIFICANT CHANGE FROM FY 2022 - 27 CTP: \$3.6M decrease to reflect final Maryland Department of Environment Volkswagen grant award amount.

USAGE: 4.4 million public parking riders in FY 2022.

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



PROJECT: Concourse D HVAC Replacement at BWI Marshall Airport

DESCRIPTION: This project will replace the existing HVAC systems serving Concourse D. Improvements will include: hydronic unit replacement, new 600 ton chiller, new piping and controls, concourse rooftop expansion unit replacement, and the replacement of ceiling systems.

PURPOSE & NEED SUMMARY STATEMENT: Existing HVAC systems in Concourse D were installed in 1987 and have reached the end of their service life. Replacement systems will improve operational efficiency, reduce operational costs, and improve overall reliability. Replacement of the ceiling will create a uniform appearance throughout the Concourse.

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

<input type="checkbox"/>	Safe, Secure, and Resilient	<input checked="" type="checkbox"/>	Quality & Efficiency
<input checked="" type="checkbox"/>	Maintain & Modernize	<input type="checkbox"/>	Environmental Protection
<input type="checkbox"/>	Economic Opportunity & Reduce Congestion	<input type="checkbox"/>	Fiscal Responsibility
<input type="checkbox"/>	Better Transportation Choices & Connections		

SMART GROWTH STATUS:	<input type="checkbox"/> Project Not Location Specific	<input type="checkbox"/> 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	

EXPLANATION: Maintaining the infrastructure to provide passengers with a consistent travel experience throughout the airport is a primary focus at BWI Marshall Airport. These improvements represent an allocation of funding toward system preservation improvements to meet these goals. BWI Marshall Airport supports the movement of people, goods and the State's economy.

STATUS: Construction started November 2021. Replacement of HVAC, chillers and ceiling systems is underway with anticipated completion Summer 2023.

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)	EXPENDED THRU CLOSE YEAR	PREVIOUS YEAR 2022	CURRENT YEAR 2023	BUDGET YEAR 2024	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
						...2025...	...2026...	...2027...	...2028...		
Planning	0	0	0	0	0	0	0	0	0	0	0
Engineering	5,411	2,691	446	1,860	861	0	0	0	0	2,720	0
Right-of-way	0	0	0	0	0	0	0	0	0	0	0
Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	21,064	8,597	8,597	10,945	1,522	0	0	0	0	12,466	0
Total	26,475	11,288	9,043	12,804	2,383	0	0	0	0	15,187	0
Federal-Aid	0	0	0	0	0	0	0	0	0	0	0
Special	7,192	3,201	2,431	3,490	500	0	0	0	0	3,990	0
Other	19,283	8,087	6,613	9,314	1,883	0	0	0	0	11,196	0

2192 Other funding source is Passenger Facility Charge (PFC) revenue bonds.

SIGNIFICANT CHANGE FROM FY 2022 - 27 CTP:
None.

USAGE: Accommodate projected annual passenger growth.

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



PROJECT: Restroom Improvement Program at BWI Marshall Airport

DESCRIPTION: This multi-year program will renovate restroom facilities at BWI Marshall Airport. The improvements will vary by restroom depending on the current condition and projected usage. Renovations will range from circulation and cosmetic improvements to full reconstruction. Improvements also include the installation of nursing stations throughout the airport.

PURPOSE & NEED SUMMARY STATEMENT: Restrooms are consistently the top complaint in passenger service feedback. Many of the restrooms throughout the terminal have exceeded their design life as it has been 15-40 years since their last refurbishment. Other restrooms, particularly in Concourses A and B, were designed to handle 30% fewer passengers than the current demand resulting in a significant shortcoming in restroom capacity.

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

<input type="checkbox"/>	Safe, Secure, and Resilient	<input checked="" type="checkbox"/>	Quality & Efficiency
<input checked="" type="checkbox"/>	Maintain & Modernize	<input type="checkbox"/>	Environmental Protection
<input type="checkbox"/>	Economic Opportunity & Reduce Congestion	<input type="checkbox"/>	Fiscal Responsibility
<input type="checkbox"/>	Better Transportation Choices & Connections		

SMART GROWTH STATUS:	<input type="checkbox"/> Project Not Location Specific	<input type="checkbox"/> 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	

EXPLANATION: The quality of the passenger experience is a primary focus of the airport and customer satisfaction with restrooms tops the list. These system preservation improvements will improve the condition of old and new facilities plus expand restrooms to address increased passenger traffic. BWI Marshall Airport supports the movement of people, goods and the State's economy.

STATUS: Construction started November 2021. Completion anticipated January 2024.

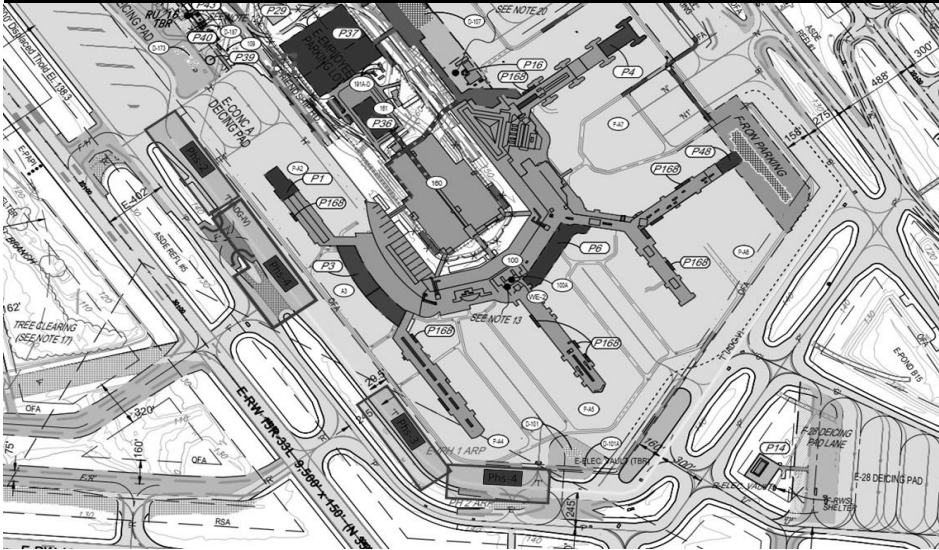
POTENTIAL FUNDING SOURCE:						<input checked="" type="checkbox"/> SPECIAL	<input type="checkbox"/> FEDERAL	<input type="checkbox"/> GENERAL	<input checked="" type="checkbox"/> OTHER		
PHASE	TOTAL ESTIMATED COST (\$000)	EXPENDED THRU CLOSE YEAR	PREVIOUS YEAR 2022	CURRENT YEAR 2023	BUDGET YEAR 2024	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
						...2025...	...2026...	...2027...	...2028...		
Planning	0	0	0	0	0	0	0	0	0	0	0
Engineering	7,130	6,351	809	426	353	0	0	0	0	779	0
Right-of-way	0	0	0	0	0	0	0	0	0	0	0
Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	60,437	11,385	11,236	32,895	16,156	0	0	0	0	49,052	0
Total	67,567	17,736	12,045	33,321	16,510	0	0	0	0	49,831	0
Federal-Aid	0	0	0	0	0	0	0	0	0	0	0
Special	515	515	0	0	0	0	0	0	0	0	0
Other	67,052	17,222	12,045	33,321	16,510	0	0	0	0	49,831	0

2194 Other funding source is Passenger Facility Charge (PFC) revenue bonds.

SIGNIFICANT CHANGE FROM FY 2022 - 27 CTP:
None.

USAGE: Accommodate projected annual passenger growth.

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



PROJECT: Taxiway T Reconstruction at BWI Marshall Airport

DESCRIPTION: This project will reconstruct portions of Taxiway T from the existing asphalt pavement to concrete. The project is intended to address the existing pavement condition and meet FAA Design Standards for Taxiway Geometry. The Pavement Condition Index (PCI) for portions of this pavement ranges from fair to poor. All taxiway lighting and signage will be replaced with high efficiency LED lighting systems.

PURPOSE & NEED SUMMARY STATEMENT: The project will enhance airfield safety and operations through reconstruction of pavement to meet FAA standards. The areas identified for upgrades were determined through independent pavement analysis as required by the FAA. Pavement sections within the limits of the project have PCI ranges from failed to fair according to the 2019 Pavement Management Plan (PMP) Update. In addition, the replacement of taxiway lighting and signage will enhance safety.

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

<input checked="" type="checkbox"/>	Safe, Secure, and Resilient	<input type="checkbox"/>	Quality & Efficiency
<input checked="" type="checkbox"/>	Maintain & Modernize	<input type="checkbox"/>	Environmental Protection
<input type="checkbox"/>	Economic Opportunity & Reduce Congestion	<input type="checkbox"/>	Fiscal Responsibility
<input type="checkbox"/>	Better Transportation Choices & Connections		

EXPLANATION: This project provides for compliance with Public Law 109-115 and FAA Part 139 regulations. The improvements enhance safety by reducing the risk of aircraft damage in the taxiway area. Pavement improvements and FAA standards ensure airfield pavement is free of cracks and minimize FOD that could impact the aircraft. BWI Marshall Airport supports the movement of people, goods and the State's economy.

SMART GROWTH STATUS:	<input type="checkbox"/> Project Not Location Specific	<input type="checkbox"/> 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	

STATUS: Planning and engineering to begin in FY 2025.

POTENTIAL FUNDING SOURCE:

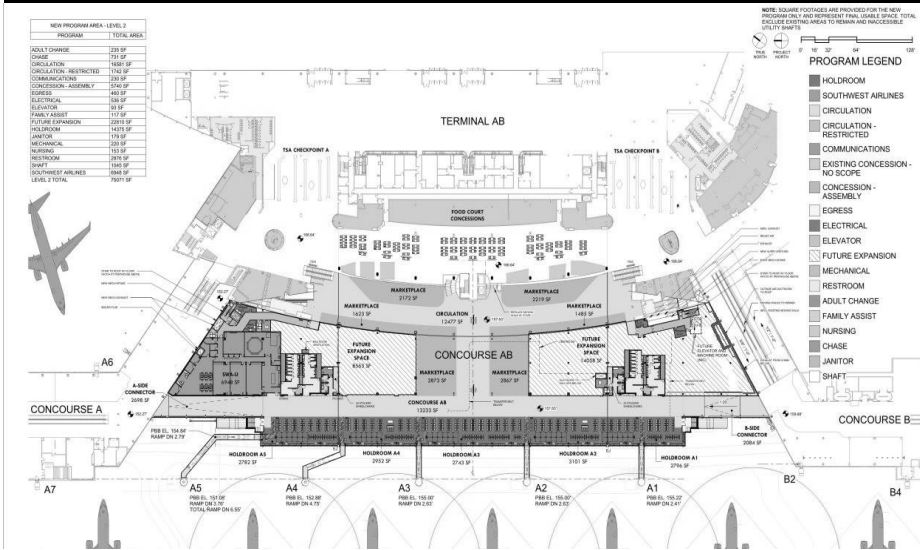
☒ SPECIAL ☒ FEDERAL ☐ GENERAL ☐ OTHER

PHASE	TOTAL ESTIMATED COST (\$000)	EXPENDED THRU CLOSE YEAR	PREVIOUS YEAR 2022	CURRENT YEAR 2023	BUDGET YEAR 2024	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
						...2025...	...2026...	...2027...	...2028...		
Planning	0	0	0	0	0	0	0	0	0	0	0
Engineering	3,889	979	115	(0)	0	200	240	1,260	1,210	2,910	0
Right-of-way	0	0	0	0	0	0	0	0	0	0	0
Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	64,807	10,717	7,124	0	0	9,300	6,360	18,240	20,190	54,090	0
Total	68,696	11,696	7,239	0	0	9,500	6,600	19,500	21,400	57,000	0
Federal-Aid	54,806	9,806	6,213	0	0	9,000	6,000	15,000	15,000	45,000	0
Special	13,890	1,890	1,026	(0)	0	500	600	4,500	6,400	12,000	0
Other	0	0	0	0	0	0	0	0	0	0	0

SIGNIFICANT CHANGE FROM FY 2022 - 27 CTP: \$54M added to this project for Phase 2, 3 and 4 design and construction.

USAGE: Accommodate projected annual flight operations.

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



PROJECT: Concourse A/B Connector and Baggage Handling System Replacement at BWI Marshall Airport

DESCRIPTION: This project will comprise a two-level building addition between Concourses A and B to provide space for a new fully in-line baggage handling system, operational spaces, a connector between the concourses, upgrades to the Central Utility Plant and lower level roadway improvements. The project will also provide expanded holdrooms, new Passenger Boarding Bridges, new restrooms, and concessions space.

PURPOSE & NEED SUMMARY STATEMENT: The ability to maintain 100 percent electronic baggage screening, while achieving the necessary capacity to meet projected airline departure flight schedules that are using aircraft with larger seating capacity is dependent upon attaining the maximum utilization of bag screening technology. In addition, the project will expand holdrooms to ensure required capacity relative to aircraft seats, improve passenger amenities, and provide a same level connection between the two concourses. Central Utility Plant upgrades are necessary to keep up with airport expansion in order to provide cooling of the terminal complex.

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

<input checked="" type="checkbox"/> Safe, Secure, and Resilient	<input checked="" type="checkbox"/> Quality & Efficiency
<input type="checkbox"/> Maintain & Modernize	<input type="checkbox"/> Environmental Protection
<input checked="" type="checkbox"/> Economic Opportunity & Reduce Congestion	<input type="checkbox"/> Fiscal Responsibility
<input type="checkbox"/> Better Transportation Choices & Connections	

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

SMART GROWTH STATUS:	<input type="checkbox"/> Project Not Location Specific	<input type="checkbox"/> 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	

STATUS: Construction is underway and project completion expected in December 2025.

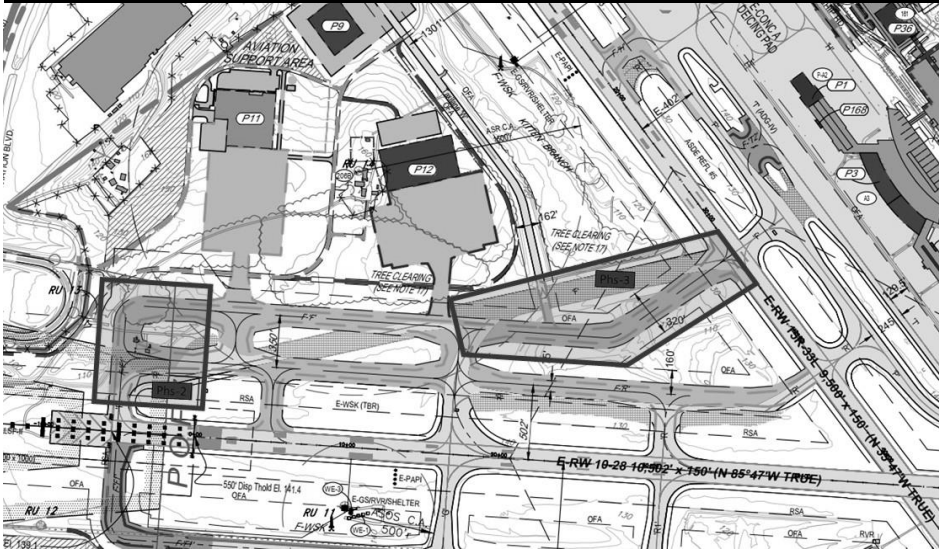
POTENTIAL FUNDING SOURCE:						<input checked="" type="checkbox"/> SPECIAL	<input checked="" type="checkbox"/> FEDERAL	<input type="checkbox"/> GENERAL	<input checked="" type="checkbox"/> OTHER		
PHASE	TOTAL ESTIMATED COST (\$000)	EXPENDED THRU CLOSE YEAR	PREVIOUS YEAR 2022	CURRENT YEAR 2023	BUDGET YEAR 2024	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
						...2025...	...2026...	...2027...	...2028...		
Planning	0	0	0	0	0	0	0	0	0	0	0
Engineering	77,835	43,726	17,052	27,278	4,130	1,800	900	0	0	34,109	0
Right-of-way	0	0	0	0	0	0	0	0	0	0	0
Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	374,656	11,321	10,753	47,913	103,915	133,313	68,651	9,543	0	363,334	0
Total	452,491	55,048	27,805	75,191	108,045	135,113	69,551	9,543	0	397,443	0
Federal-Aid	386	386	0	0	0	0	0	0	0	0	0
Special	27,105	27,061	203	44	0	0	0	0	0	44	0
Other	425,000	27,601	27,601	75,147	108,045	135,113	69,551	9,543	0	397,399	0

0232, 0233, 0234 Other funding source is Special Transportation Project Revenue Bonds. Federal funding was CARES stimulus.

SIGNIFICANT CHANGE FROM FY 2022 - 27 CTP:
None.

USAGE: Accommodate projected annual passenger growth.

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



PROJECT: Taxiway F Relocation at BWI Marshall Airport

DESCRIPTION: This project will relocate Taxiway F as per the approved Airport Layout Plan and provide a new taxiway constructed in concrete and meeting current FAA Standards. The project is intended to address the existing pavement condition and meet FAA Design Standards for Taxiway Geometry. Specifically, the project will address separation from Runway 10-28 and the angled intersection at Runway 15R-33L. Additionally, the project will provide LED lighting, signage and drainage improvements. The project will be completed in three (3) phases:
 Phase 1-New alignment will provide access to a concurrent maintenance hangar development project and relocate a portion of Taxiway F to provide the required runway to taxiway separation.
 Phase 2-Relocate and extend Taxiway F west of Phase 1 to its connection with Taxiway R and the Runway 10 End to provide the required runway to taxiway separation.
 Phase 3-Relocate Taxiway F east of Phase 1 to RW 15R-33L to meet intersecting taxiway standards.

PURPOSE & NEED SUMMARY STATEMENT: The project will enhance airfield safety and operations through reconstruction of pavement to meet Federal Aviation Administration (FAA) standards. In addition, the proposed alignment will address deficiencies in the current alignment that do not meet current FAA Design Standards.

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

<input checked="" type="checkbox"/> Safe, Secure, and Resilient	<input type="checkbox"/> Quality & Efficiency
<input checked="" type="checkbox"/> Maintain & Modernize	<input type="checkbox"/> Environmental Protection
<input type="checkbox"/> Economic Opportunity & Reduce Congestion	<input type="checkbox"/> Fiscal Responsibility
<input type="checkbox"/> Better Transportation Choices & Connections	

EXPLANATION: This project provides for compliance with Public Law 109-115 and FAA Part 139 regulations. The improvements enhance safety by reducing the risk of aircraft damage in the taxiway area. Pavement improvements and realignment to FAA standards ensure airfield pavement is free of cracks and maximizes aircraft safety. BWI Marshall Airport supports the movement of people, goods and the State's economy.

SMART GROWTH STATUS:	<input type="checkbox"/> Project Not Location Specific	<input type="checkbox"/> 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	

STATUS: Construction started December 2021. Phase 1 completed. Phase 2 start expected in Spring 2023.

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)	EXPENDED THRU CLOSE YEAR	PREVIOUS YEAR 2022	CURRENT YEAR 2023	BUDGET YEAR 2024	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
						...2025...	...2026...	...2027...	...2028...		
Planning	0	0	0	0	0	0	0	0	0	0	0
Engineering	4,526	2,045	855	1,831	0	0	0	325	325	2,481	0
Right-of-way	0	0	0	0	0	0	0	0	0	0	0
Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	64,832	5,765	5,761	11,229	8,250	10,125	11,125	11,650	6,688	59,067	0
Total	69,358	7,810	6,617	13,060	8,250	10,125	11,125	11,975	7,013	61,548	0
Federal-Aid	54,350	5,680	5,322	11,671	8,250	10,125	11,125	5,625	1,875	48,671	0
Special	15,008	2,131	1,295	1,390	0	0	0	6,350	5,138	12,878	0
Other	0	0	0	0	0	0	0	0	0	0	0

SIGNIFICANT CHANGE FROM FY 2022 - 27 CTP: \$47M added to this project for Phases 2 and 3 construction. Additional project funding enabled by IIJA increases.

USAGE: Improve standards.

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



PROJECT: Aircraft Maintenance Facility Infrastructure at BWI Marshall Airport

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

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

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

<input type="checkbox"/>	Safe, Secure, and Resilient	<input checked="" type="checkbox"/>	Quality & Efficiency
<input type="checkbox"/>	Maintain & Modernize	<input type="checkbox"/>	Environmental Protection
<input checked="" type="checkbox"/>	Economic Opportunity & Reduce Congestion	<input type="checkbox"/>	Fiscal Responsibility
<input type="checkbox"/>	Better Transportation Choices & Connections		

EXPLANATION: This project provides airlines with a location to locally perform periodic or incidental maintenance on their aircraft fleet. Reliable aircraft ensures airlines maintain schedules and minimize delay impact on passengers. Opening of the facility will increase local employment. BWI Marshall Airport supports the movement of people, goods and the State's economy.

SMART GROWTH STATUS:		<input type="checkbox"/> Project Not Location Specific	<input type="checkbox"/> 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

STATUS: Construction started December 2021. Excavation and site grading underway. Anticipated completion of project is June 2025.

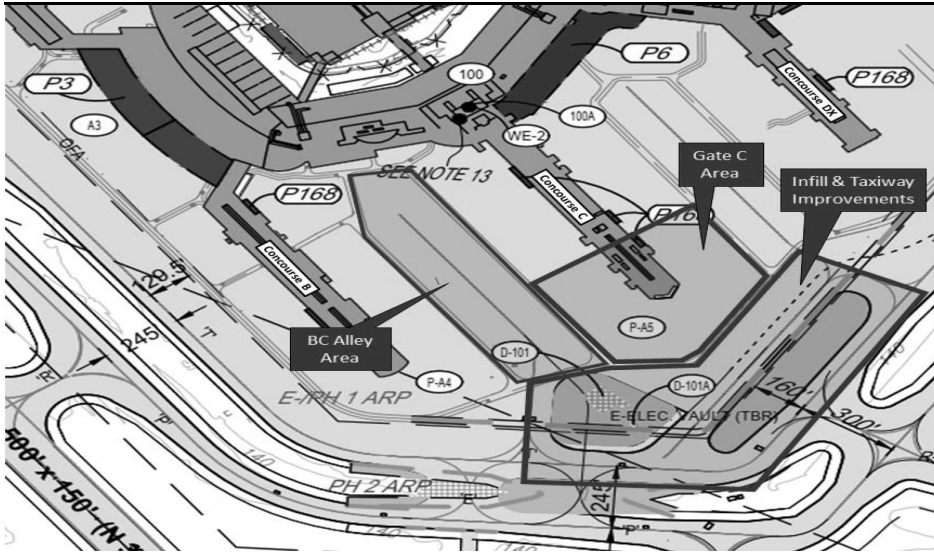
POTENTIAL FUNDING SOURCE:						<input checked="" type="checkbox"/> SPECIAL	<input checked="" type="checkbox"/> FEDERAL	<input type="checkbox"/> GENERAL	<input type="checkbox"/> OTHER		
PHASE	TOTAL		PREVIOUS YEAR 2022	CURRENT YEAR 2023	BUDGET YEAR 2024	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
	ESTIMATED COST (\$000)	EXPENDED THRU CLOSE YEAR					
						2025...	2026...	2027...	2028...		
Planning	0	0	0	0	0	0	0	0	0	0	0
Engineering	5,085	4,872	643	163	50	0	0	0	0	213	0
Right-of-way	0	0	0	0	0	0	0	0	0	0	0
Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	46,761	10,049	9,021	15,254	21,458	0	0	0	0	36,712	0
Total	51,846	14,921	9,663	15,417	21,508	0	0	0	0	36,924	0
Federal-Aid	423	423	0	0	0	0	0	0	0	0	0
Special	51,422	14,498	9,663	15,417	21,508	0	0	0	0	36,924	0
Other	0	0	0	0	0	0	0	0	0	0	0

9720, 9721, 9722 Federal funding was CARES stimulus.

SIGNIFICANT CHANGE FROM FY 2022 - 27 CTP: \$2.5M reduced from project due to favorable bids.

USAGE: Accommodate projected airline maintenance needs.

OPERATING COST IMPACT: Cost responsibility of Southwest Airlines.



PROJECT: BC Apron Reconstruction, Infill & Taxiway Improvements at BWI Marshall Airport

DESCRIPTION: This program funds a series of projects to complete the overall development objective of BC Apron Reconstruction, Infill & Taxiway Improvements that is aligned with the FAA Airport Capital Improvement Plan (ACIP). The first phase of the program is the relocation of the Airfield Lighting Vault (ALV). Demolition of the existing vault, relocation of glycol dumps in the vicinity, and infill of those areas with apron pavement is included in the project. The remaining phases (BC Alley Reconstruction and Concourse C Apron Reconstruction) will follow after completion of the Concourse A/B Connector and BHS Program. This will provide enough gate capacity airport-wide to mitigate the operational impacts to airlines located in the BC alley.

PURPOSE & NEED SUMMARY STATEMENT: The project will enhance airfield safety and operations through reconstruction of pavement to meet Federal Aviation Administration (FAA) standards. In addition, the proposed alignment will address deficiencies in the current alignment that do not meet current FAA Design Standards. Finally, the improvements will increase capacity at BWI Marshall by removing the operation constrictions at the entrance to BC Alley.

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

<input checked="" type="checkbox"/> Safe, Secure, and Resilient	<input checked="" type="checkbox"/> Quality & Efficiency
<input checked="" type="checkbox"/> Maintain & Modernize	<input type="checkbox"/> Environmental Protection
<input checked="" type="checkbox"/> Economic Opportunity & Reduce Congestion	<input type="checkbox"/> Fiscal Responsibility
<input type="checkbox"/> Better Transportation Choices & Connections	

SMART GROWTH STATUS:	<input type="checkbox"/> Project Not Location Specific	<input type="checkbox"/> 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	

EXPLANATION: This project provides compliance with FAA Part 139 regulations. New airfield lighting control and infrastructure combined with new aircraft travel patterns that increase airfield capacity ensure airfield movement and safety is maximized. The replacement of the Airfield Lighting Vault supports the movement of people, goods and the State's economy.

STATUS: Construction for Airfield Lighting Vault Relocation - Phase 1 is expected to start in Spring 2023.

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)	EXPENDED THRU CLOSE YEAR	PREVIOUS YEAR 2022	CURRENT YEAR 2023	BUDGET YEAR 2024	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
						...2025...	...2026...	...2027...	...2028...		
Planning	15	15	0	0	0	0	0	0	0	0	0
Engineering	5,330	1,878	82	318	1,400	433	307	497	497	3,451	0
Right-of-way	0	0	0	0	0	0	0	0	0	0	0
Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	81,412	0	0	7,335	17,040	13,296	10,226	17,486	16,031	81,412	0
Total	86,757	1,893	82	7,653	18,440	13,728	10,533	17,983	16,528	84,864	0
Federal-Aid	64,316	251	0	5,353	13,361	12,778	9,683	10,185	12,705	64,064	0
Special	22,441	1,642	82	2,300	5,079	950	850	7,798	3,823	20,799	0
Other	0	0	0	0	0	0	0	0	0	0	0

2350, 2196, 0265, 0336

SIGNIFICANT CHANGE FROM FY 2022 - 27 CTP: \$74M added to this project to include Phase 2 design and construction. Additional project funding enabled by IIJA increases.

USAGE: Improve standards.

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



PROJECT: Fuel Storage Tank Additions at BWI Marshall Airport

DESCRIPTION: This project expands the North Area Fuel Farm by adding two 16,800 BBL above ground storage tanks with new supply lines, filtration, and pumps to transport Jet-A fuel to designated locations. A new upsized water line will be installed to facilitate a completed fire protection loop around the fuel farm, expand the capacity, and modernize the existing infrastructure.

PURPOSE & NEED SUMMARY STATEMENT: BWI Marshall Airport continues to grow in flight operations, which requires an increased fuel farm capacity.

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

- | | |
|--|---|
| <input type="checkbox"/> Safe, Secure, and Resilient | <input type="checkbox"/> Quality & Efficiency |
| <input checked="" type="checkbox"/> Maintain & Modernize | <input type="checkbox"/> Environmental Protection |
| <input type="checkbox"/> Economic Opportunity & Reduce Congestion | <input type="checkbox"/> Fiscal Responsibility |
| <input type="checkbox"/> Better Transportation Choices & Connections | |

- SMART GROWTH STATUS:**
- | | |
|--|---|
| <input type="checkbox"/> Project Not Location Specific | <input type="checkbox"/> 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 |

EXPLANATION: This project will expand the fuel capacity at BWI Marshall Airport to meet the future demands of flight operations. The expansion of the North Area Fuel Farm supports the movement of people, goods, and the State's economy.

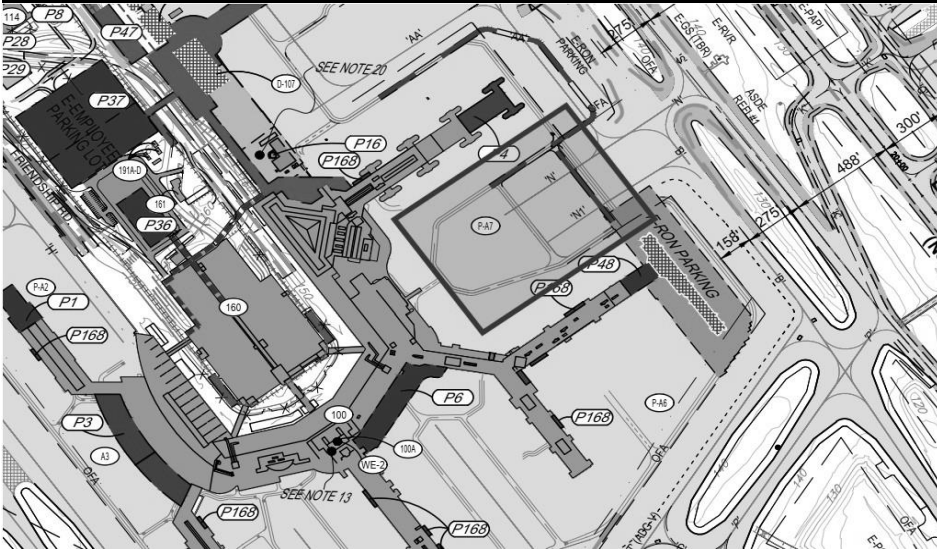
STATUS: Project currently under design. Construction anticipated to begin Summer 2023.

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)	EXPENDED THRU CLOSE YEAR	PREVIOUS YEAR 2022	CURRENT YEAR 2023	BUDGET YEAR 2024	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
						...2025...	...2026...	...2027...	...2028...		
Planning	14	14	0	0	0	0	0	0	0	0	0
Engineering	1,437	841	245	396	150	50	0	0	0	596	0
Right-of-way	0	0	0	0	0	0	0	0	0	0	0
Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	18,378	0	0	6,045	11,133	1,200	0	0	0	18,378	0
Total	19,829	855	245	6,442	11,283	1,250	0	0	0	18,974	0
Federal-Aid	58	58	0	0	0	0	0	0	0	0	0
Special	19,771	796	245	6,442	11,283	1,250	0	0	0	18,974	0
Other	0	0	0	0	0	0	0	0	0	0	0

SIGNIFICANT CHANGE FROM FY 2022 - 27 CTP: \$3M cost increase includes escalation factor to account for supply chain issues, higher anticipated material costs, inflation and labor shortages.

USAGE: Accommodate projected annual flight operations.

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



<input checked="" type="checkbox"/>	Safe, Secure, and Resilient	<input type="checkbox"/>	Quality & Efficiency
<input checked="" type="checkbox"/>	Maintain & Modernize	<input type="checkbox"/>	Environmental Protection
<input type="checkbox"/>	Economic Opportunity & Reduce Congestion	<input type="checkbox"/>	Fiscal Responsibility
<input type="checkbox"/>	Better Transportation Choices & Connections		

PROJECT: Taxilanes N and N1 Reconstruction at BWI Marshall Airport

DESCRIPTION: Taxilanes N & N1 provide access from aircraft gates located on the Concourse D and E alley to the airfield. Some of the largest design aircraft that utilize the airport transit the area and the existing asphalt pavement is in need of repairs. The 2019 Pavement Management Plan (PMP) identifies this area as “very poor” with an aggregate Pavement Condition Index (PCI) of 26 – 40 (out of 100). The project consists of complete reconstruction of the existing pavement with Portland Cement Concrete (PCC), utilities, associated pavement markings, signage and lighting improvements.

PURPOSE & NEED SUMMARY STATEMENT: The project will enhance airfield safety and operations through reconstruction of pavement to meet FAA standards. In addition, the proposed alignment will address deficiencies in the current alignment that do not meet current FAA Design Standards.

SMART GROWTH STATUS:		<input type="checkbox"/> Project Not Location Specific	<input type="checkbox"/> 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

STATUS: Under design and engineering. Construction expected to start in Summer 2023.

☒ SPECIAL ☒ FEDERAL ☐ GENERAL ☐ OTHER

[illegible]

SIGNIFICANT CHANGE FROM FY 2022 - 27 CTP: Added to Construction Program. Additional project funding enabled by IJJA increases.

USAGE: Improve standards.

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



PROJECT: Air Operations Area Fence Upgrade at BWI Marshall Airport

DESCRIPTION: This project includes enhanced security by removing and replacing 8' perimeter security fencing with 10' perimeter security fence. It also includes gate hardening by installing manual crash beam barriers at certain gates and automatic wedge plate barriers at others with integrated access control and bollards.

PURPOSE & NEED SUMMARY STATEMENT: The purpose of this project is to provide visual deterrents, additional security and enhanced protective measures for BWI Marshall Airport.

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

- | | |
|--|---|
| <input checked="" type="checkbox"/> Safe, Secure, and Resilient | <input type="checkbox"/> Quality & Efficiency |
| <input type="checkbox"/> Maintain & Modernize | <input type="checkbox"/> Environmental Protection |
| <input type="checkbox"/> Economic Opportunity & Reduce Congestion | <input type="checkbox"/> Fiscal Responsibility |
| <input type="checkbox"/> Better Transportation Choices & Connections | |

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 |

EXPLANATION: The improvements enhance airport and passenger safety. BWI Marshall Airport Security supports the movement of people, goods and the State's economy.

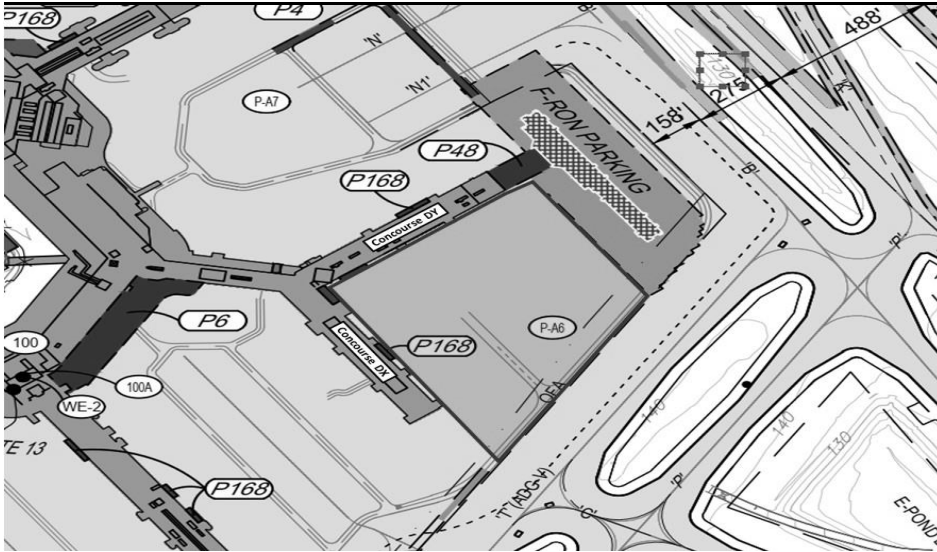
STATUS: Construction expected to start in Summer 2023.

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)	EXPENDED THRU CLOSE YEAR	PREVIOUS YEAR 2022	CURRENT YEAR 2023	BUDGET YEAR 2024	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
						...2025...	...2026...	...2027...	...2028...		
Planning	0	0	0	0	0	0	0	0	0	0	0
Engineering	909	628	561	282	0	0	0	0	0	282	0
Right-of-way	0	0	0	0	0	0	0	0	0	0	0
Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	10,426	0	0	5,213	5,213	0	0	0	0	10,426	0
Total	11,336	628	561	5,495	5,213	0	0	0	0	10,708	0
Federal-Aid	64	64	0	0	0	0	0	0	0	0	0
Special	11,271	563	561	5,495	5,213	0	0	0	0	10,708	0
Other	0	0	0	0	0	0	0	0	0	0	0

SIGNIFICANT CHANGE FROM FY 2022 - 27 CTP:
Added to Construction Program.

USAGE: Safety and security.

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



PROJECT: DX/DY Apron Pavement Rehab at BWI Marshall Airport

DESCRIPTION: This project will provide a comprehensive pavement rehabilitation to the DX-DY Apron. The Pavement Condition Index for these pavements ranges from 45-59 (out of 100) which ranks in the poor to low-end of fair range. The pavement distresses include medium and high severity weathering, alligator cracking and block cracking. The Project will include all grading, pavement, lighting, signage and all related infrastructure.

PURPOSE & NEED SUMMARY STATEMENT: The project will enhance airfield safety and operations through reconstruction of pavement to meet FAA standards. In addition, the proposed alignment will address deficiencies in the current alignment that do not meet current FAA Design Standards.

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

<input checked="" type="checkbox"/> Safe, Secure, and Resilient	<input type="checkbox"/> Quality & Efficiency
<input checked="" type="checkbox"/> Maintain & Modernize	<input type="checkbox"/> Environmental Protection
<input type="checkbox"/> Economic Opportunity & Reduce Congestion	<input type="checkbox"/> Fiscal Responsibility
<input type="checkbox"/> Better Transportation Choices & Connections	

SMART GROWTH STATUS:	<input type="checkbox"/> Project Not Location Specific	<input type="checkbox"/> 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	

EXPLANATION: This project provides for compliance with Public Law 109-115 and FAA Part 139 regulations. The improvements enhance safety by reducing the risk of aircraft damage in the apron area. Pavement improvements and FAA standards ensure airfield pavement is free of cracks and minimize FOD that could impact the aircraft. BWI Marshall Airport supports the movement of people, goods and the State's economy.

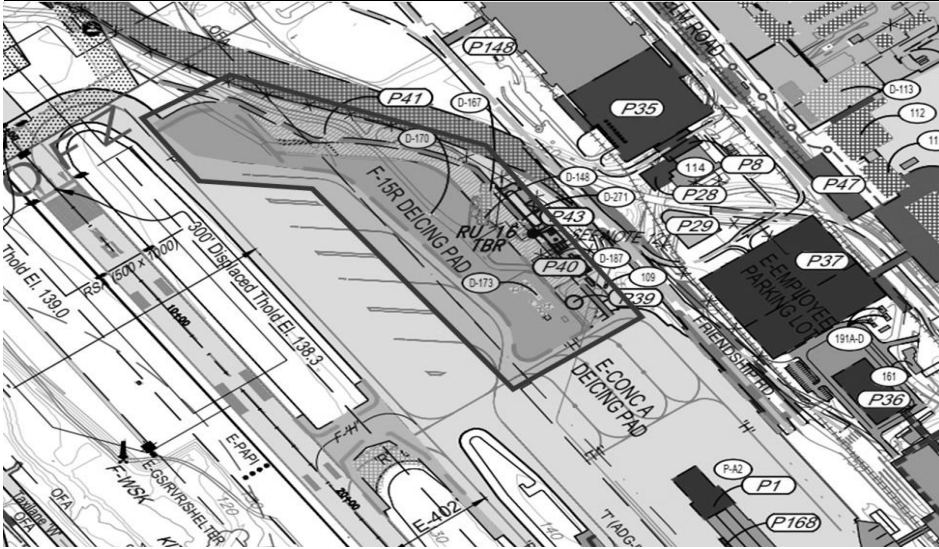
STATUS: Design and engineering expected to start in 2024.

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)	EXPENDED THRU CLOSE YEAR	PREVIOUS YEAR 2022	CURRENT YEAR 2023	BUDGET YEAR 2024	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
						...2025...	...2026...	...2027...	...2028...		
Planning	0	0	0	0	0	0	0	0	0	0	0
Engineering	1,430	0	0	7	1,135	124	124	41	0	1,430	0
Right-of-way	0	0	0	0	0	0	0	0	0	0	0
Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	9,570	0	0	0	234	4,001	4,001	1,334	0	9,570	0
Total	11,000	0	0	7	1,369	4,125	4,125	1,375	0	11,000	0
Federal-Aid	6,353	0	0	0	72	2,692	2,692	897	0	6,353	0
Special	4,648	0	0	7	1,296	1,433	1,433	478	0	4,648	0
Other	0	0	0	0	0	0	0	0	0	0	0

SIGNIFICANT CHANGE FROM FY 2022 - 27 CTP: Added to Construction Program. Additional project funding enabled by IIJA increases.

USAGE: Improve standards.

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



PROJECT: Deicing Pad Expansion at BWI Marshall Airport

DESCRIPTION: This project will expand the Runway 15R Deicing Pad to meet capacity demand, improve circulation and queuing, enhance operational utility and on-time performance by providing simultaneous deicing capability, improve efficiency of glycol application and recovery including a new snow dump area, and provide needed remain overnight parking that was impacted by the 2020 extension of Concourse A in 2020. The Project will include all grading, pavement, lighting, signage and all related infrastructure. Separate enabling work associated with this project includes Relocation of Taxi/Bus Stage Area, Gate 55 Modifications, Glycol Building and Tank Relocations, and Lift Station Modifications. Additionally, this project will enlarge the Runway 28 Deicing Pad to meet current FAA design standards per AC 150/5300-14C, Design of Aircraft Deicing Facilities while maintaining existing capacity and number of aircraft positions and providing a new area for snow dumping.

PURPOSE & NEED SUMMARY STATEMENT: The project will enhance airfield capacity by allowing efficient movement of aircraft during deicing operations and increases the capacity of the existing facilities.

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

- | | |
|--|--|
| <input checked="" type="checkbox"/> Safe, Secure, and Resilient | <input checked="" type="checkbox"/> Quality & Efficiency |
| <input checked="" type="checkbox"/> Maintain & Modernize | <input type="checkbox"/> Environmental Protection |
| <input checked="" type="checkbox"/> Economic Opportunity & Reduce Congestion | <input type="checkbox"/> Fiscal Responsibility |
| <input type="checkbox"/> Better Transportation Choices & Connections | |

EXPLANATION: This project will expand the deicing capacity at BWI Marshall Airport to meet the future demands of flight operations. Pavement improvements and realignment to FAA standards ensure airfield pavement is free of cracks and maximizes aircraft safety. BWI Marshall Airport supports the movement of people, goods and the State's economy.

- SMART GROWTH STATUS:**
- | | |
|--|---|
| <input type="checkbox"/> Project Not Location Specific | <input type="checkbox"/> 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 |

STATUS: Design and engineering expected to start in 2025.

POTENTIAL FUNDING SOURCE:

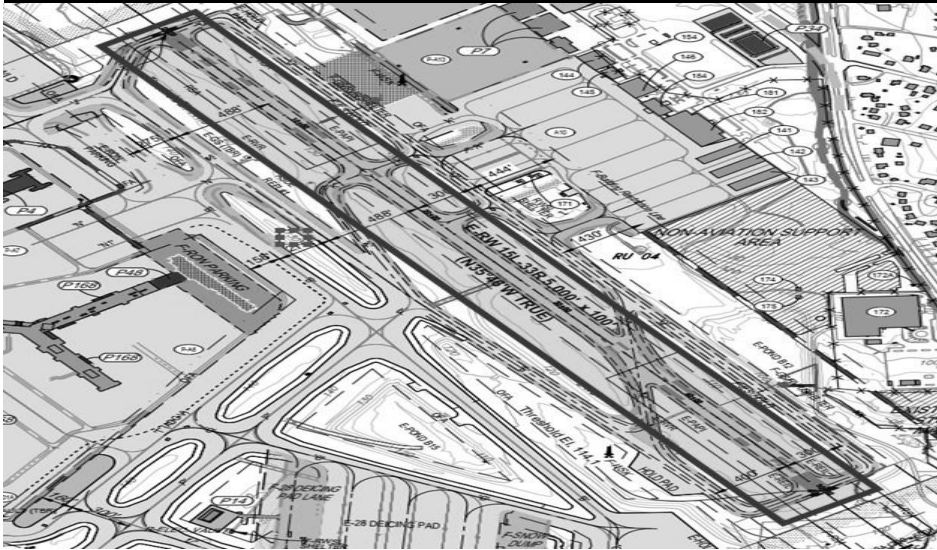
- ☒ SPECIAL ☒ FEDERAL ☐ GENERAL ☐ OTHER

PHASE	TOTAL ESTIMATED COST (\$000)	EXPENDED THRU CLOSE YEAR	PREVIOUS YEAR 2022	CURRENT YEAR 2023	BUDGET YEAR 2024	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
						...2025...	...2026...	...2027...	...2028...		
Planning	0	0	0	0	0	0	0	0	0	0	0
Engineering	115	0	0	0	0	0	0	0	115	115	0
Right-of-way	0	0	0	0	0	0	0	0	0	0	0
Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	28,931	0	0	0	0	2,025	516	7,725	18,666	28,931	0
Total	29,045	0	0	0	0	2,025	516	7,725	18,780	29,045	0
Federal-Aid	25,225	0	0	0	0	2,025	516	7,622	15,063	25,225	0
Special	3,820	0	0	0	0	0	0	103	3,718	3,820	0
Other	0	0	0	0	0	0	0	0	0	0	0

SIGNIFICANT CHANGE FROM FY 2022 - 27 CTP: Added to Construction Program. Additional project funding enabled by IIJA increases.

USAGE: Accommodate projected annual flight operations.

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



PROJECT: 15L/33R & Associated Taxiways - Pavement Rehabilitation at BWI Marshall Airport

DESCRIPTION: This project will provide a comprehensive pavement rehabilitation to Runway 15L-33R and connecting taxiways. The 2019 Pavement Management Plan (PMP) Pavement Condition Index (PCI) for these pavements ranges from 54 to 84 (out of 100). The pavement distresses include alligator cracking, block cracking and weathering. The Project will include all grading, pavement, lighting, signage and all related infrastructure.

PURPOSE & NEED SUMMARY STATEMENT: The project will enhance airfield safety and operations through reconstruction of pavement to meet FAA standards. In addition, the proposed alignment will address deficiencies in the current alignment that do not meet current FAA Design Standards.

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

<input checked="" type="checkbox"/> Safe, Secure, and Resilient	<input type="checkbox"/> Quality & Efficiency
<input checked="" type="checkbox"/> Maintain & Modernize	<input type="checkbox"/> Environmental Protection
<input type="checkbox"/> Economic Opportunity & Reduce Congestion	<input type="checkbox"/> Fiscal Responsibility
<input type="checkbox"/> Better Transportation Choices & Connections	

EXPLANATION: This project provides for compliance with Public Law 109-115 and FAA Part 139 regulations. The improvements enhance safety by reducing the risk of aircraft damage in the taxiway area. Pavement improvements and realignment to FAA standards ensure airfield pavement is free of cracks and maximizes aircraft safety. BWI Marshall Airport supports the movement of people, goods and the State's economy.

SMART GROWTH STATUS:	<input type="checkbox"/> Project Not Location Specific	<input type="checkbox"/> 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	

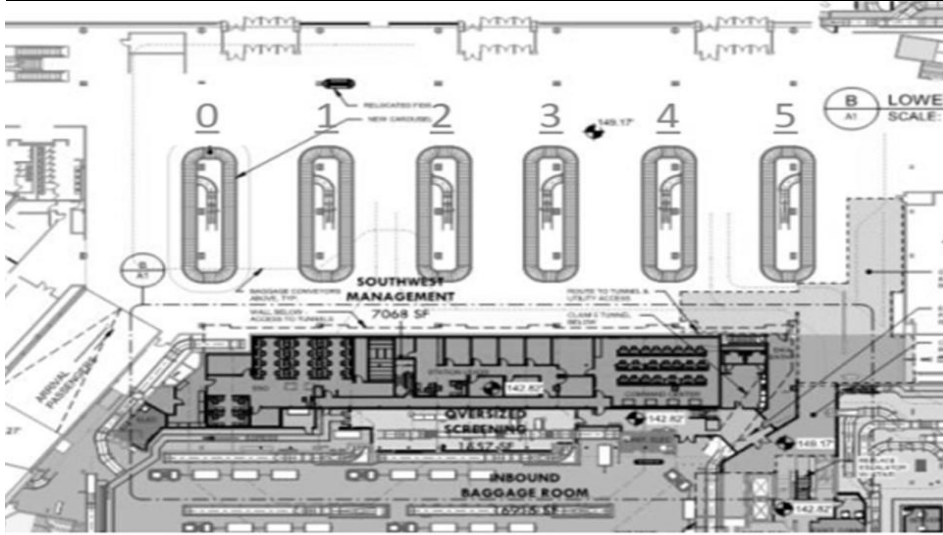
STATUS: Design and engineering expected to start in 2026.

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)	EXPENDED THRU CLOSE YEAR	PREVIOUS YEAR 2022	CURRENT YEAR 2023	BUDGET YEAR 2024	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
						...2025...	...2026...	...2027...	...2028...		
Planning	0	0	0	0	0	0	0	0	0	0	0
Engineering	488	0	0	0	0	0	200	241	47	488	0
Right-of-way	0	0	0	0	0	0	0	0	0	0	0
Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	14,513	0	0	0	0	0	1,406	6,178	6,929	14,513	0
Total	15,000	0	0	0	0	0	1,606	6,419	6,975	15,000	0
Federal-Aid	11,250	0	0	0	0	0	1,406	4,219	5,625	11,250	0
Special	3,750	0	0	0	0	0	200	2,200	1,350	3,750	0
Other	0	0	0	0	0	0	0	0	0	0	0

SIGNIFICANT CHANGE FROM FY 2022 - 27 CTP: Added to Construction Program. Additional project funding enabled by IIJA increases.

USAGE: Improve standards.

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



PROJECT: Concourse A/B Bag Claim 0-5 Reconfiguration at BWI Marshall Airport

DESCRIPTION: This project will replace the 5 existing baggage claim carousels and inbound lines with new carousels in Concourse A/B as well as install one new additional baggage claim carousel.

PURPOSE & NEED SUMMARY STATEMENT: The existing baggage claim carousels are 20 years old and beyond their useful life. Additional baggage claim capacity is needed to meet passenger demand on Concourse A/B.

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

<input type="checkbox"/> Safe, Secure, and Resilient	<input type="checkbox"/> Quality & Efficiency
<input checked="" type="checkbox"/> Maintain & Modernize	<input type="checkbox"/> Environmental Protection
<input checked="" type="checkbox"/> Economic Opportunity & Reduce Congestion	<input type="checkbox"/> Fiscal Responsibility
<input type="checkbox"/> Better Transportation Choices & Connections	

SMART GROWTH STATUS:	<input type="checkbox"/> Project Not Location Specific	<input type="checkbox"/> 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	

EXPLANATION: This project provides for modernizing aging bag claim equipment as well as expands capacity to by providing an additional bag claim carousel. BWI Marshall Airport supports the movement of people, goods and State economy.

STATUS: Design and engineering expected to start in 2023.

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)	EXPENDED THRU CLOSE YEAR	PREVIOUS YEAR 2022	CURRENT YEAR 2023	BUDGET YEAR 2024	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
						...2025...	...2026...	...2027...	...2028...		
Planning	0	0	0	0	0	0	0	0	0	0	0
Engineering	3,627	6	6	2,784	837	0	0	0	0	3,621	0
Right-of-way	0	0	0	0	0	0	0	0	0	0	0
Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	24,273	0	0	0	4,821	9,726	9,726	0	0	24,273	0
Total	27,900	6	6	2,784	5,658	9,726	9,726	0	0	27,894	0
Federal-Aid	0	0	0	0	0	0	0	0	0	0	0
Special	2,790	6	6	2,784	0	0	0	0	0	2,784	0
Other	25,110	0	0	0	5,658	9,726	9,726	0	0	25,110	0

0258 Other funding source is Passenger Facility Charge (PFC) revenue.

SIGNIFICANT CHANGE FROM FY 2022 - 27 CTP:

Added to Construction Program.

USAGE: Accommodate projected annual passenger growth.

OPERATING COST IMPACT: Cost fully recovered through airport user fees.



PROJECT: Electrical Substations Reconstruction at BWI Marshall Airport

DESCRIPTION: This project will provide funding to reconstruction and replace aging utility infrastructure at the airport. Specifically this project will (1) reconstruct the North and South BGE Substations, replacement of 35kV switchgears, replacement of meters and relays in the 15kV switchgears and (2) replace electrical Substation ST-AB including new switchgear, main load interrupters, and transformers.

PURPOSE & NEED SUMMARY STATEMENT: The equipment is 25 to 30 years old and has reached the end of its useful life. The reconstruction of the BGE substation will consolidate equipment into one location and provide a connection to BGE source. In addition, the replacement of switchgear and transformer equipment will increase reliability of electrical distribution system.

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

<input checked="" type="checkbox"/> Safe, Secure, and Resilient	<input type="checkbox"/> Quality & Efficiency
<input checked="" type="checkbox"/> Maintain & Modernize	<input type="checkbox"/> Environmental Protection
<input type="checkbox"/> Economic Opportunity & Reduce Congestion	<input type="checkbox"/> Fiscal Responsibility
<input type="checkbox"/> Better Transportation Choices & Connections	

SMART GROWTH STATUS:	<input type="checkbox"/> Project Not Location Specific	<input type="checkbox"/> 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	

EXPLANATION: This project provides for funding to maintain utility infrastructure that supports airport operations. BWI Marshall Airport supports the movement of people, goods and State economy.

STATUS: Construction expected to start in Summer 2023.

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)	EXPENDED THRU CLOSE YEAR	PREVIOUS YEAR 2022	CURRENT YEAR 2023	BUDGET YEAR 2024	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
						...2025...	...2026...	...2027...	...2028...		
Planning	0	0	0	0	0	0	0	0	0	0	0
Engineering	2,665	923	412	881	860	0	0	0	0	1,741	0
Right-of-way	0	0	0	0	0	0	0	0	0	0	0
Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	25,444	6	6	2,838	22,600	0	0	0	0	25,438	0
Total	28,109	930	419	3,719	23,460	0	0	0	0	27,179	0
Federal-Aid	1	1	0	0	0	0	0	0	0	0	0
Special	28,108	929	419	3,719	23,460	0	0	0	0	27,179	0
Other	0	0	0	0	0	0	0	0	0	0	0

0170, 0254 Federal funding was CARES stimulus.

SIGNIFICANT CHANGE FROM FY 2022 - 27 CTP:
Added to Construction Program.

USAGE: Accommodate projected annual passenger growth.

OPERATING COST IMPACT: Cost fully recovered through airport user fees.



PROJECT: Snow Equipment Replacement at BWI Marshall and Martin State Airports

DESCRIPTION: Replacement of 39 existing pieces of snow removal equipment dating from 1999 to 2013 with 32 pieces of new equipment. Some equipment will be multi-function and replace the equivalent of two existing pieces. New equipment replaced includes: plow and broom trucks, plow trucks, tow behind brooms, spreaders, and snow blower equipment.

PURPOSE & NEED SUMMARY STATEMENT: BWI Marshall Airport has approximately 20 million square feet of priority 1 airfield pavement area to keep clear of snow and receives approximately 18 inches of snow per year. The current snow equipment has reached the end of its useful life and needs to be replaced.

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

<input checked="" type="checkbox"/> Safe, Secure, and Resilient	<input type="checkbox"/> Quality & Efficiency
<input type="checkbox"/> Maintain & Modernize	<input type="checkbox"/> Environmental Protection
<input type="checkbox"/> Economic Opportunity & Reduce Congestion	<input type="checkbox"/> Fiscal Responsibility
<input type="checkbox"/> Better Transportation Choices & Connections	

SMART GROWTH STATUS:	<input type="checkbox"/> Project Not Location Specific	<input type="checkbox"/> 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	

EXPLANATION: This project provides the equipment necessary to maintain airport operations safely during a snow event. BWI Marshall Airport supports the movement of people, goods and State economy.

STATUS: Procurement currently underway.

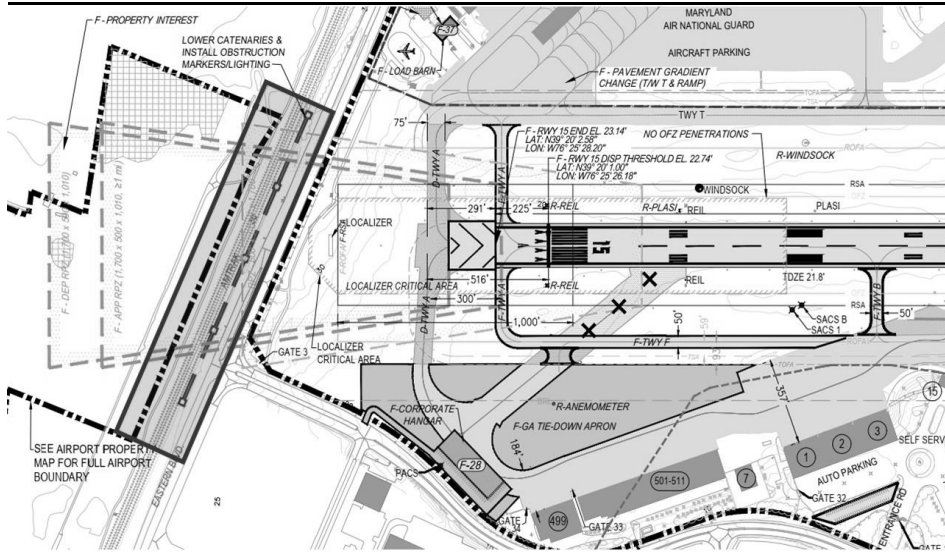
POTENTIAL FUNDING SOURCE:											
	<input checked="" type="checkbox"/> SPECIAL <input type="checkbox"/> FEDERAL <input type="checkbox"/> GENERAL <input checked="" type="checkbox"/> OTHER										
PHASE	TOTAL ESTIMATED COST (\$000)	EXPENDED THRU CLOSE YEAR	PREVIOUS YEAR 2022	CURRENT YEAR 2023	BUDGET YEAR 2024	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
						...2025...	...2026...	...2027...	...2028...		
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
Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	24,000	0	0	0	3,996	13,543	6,461	0	0	24,000	0
Total	24,000	0	0	0	3,996	13,543	6,461	0	0	24,000	0
Federal-Aid	0	0	0	0	0	0	0	0	0	0	0
Special	0	0	0	0	0	0	0	0	0	0	0
Other	24,000	0	0	0	3,996	13,543	6,461	0	0	24,000	0

0262 Other funding source is Passenger Facility Charge (PFC) revenue.

SIGNIFICANT CHANGE FROM FY 2022 - 27 CTP:
Added to Construction Program.

USAGE: Accommodate projected annual passenger growth.

OPERATING COST IMPACT: Cost fully recovered through airport user fees.



PROJECT: Amtrak Catenary Obstruction Removal at Martin State Airport

DESCRIPTION: Amtrak catenary poles and wires will be lowered to approximately 30' AGL to remain clear of Threshold Siting and Departure Obstacle Clearance Surfaces. Also includes installation of obstruction lighting per the FAA approved Marking & Lighting Plan developed in conjunction with the 2022 Environmental Assessment and associated FONSI/ROD. The Design Agreement with Amtrak will cover reimbursable costs for Amtrak personnel to perform design and support services including engineering, design reviews, and attendance at coordination meetings.

PURPOSE & NEED SUMMARY STATEMENT: The project will enhance airfield safety and operations through provision of clear approach surfaces to the runway and provide for adequate runway length for Maryland Air National Guard (ANG) operations.

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

<input checked="" type="checkbox"/>	Safe, Secure, and Resilient	<input type="checkbox"/>	Quality & Efficiency
<input checked="" type="checkbox"/>	Maintain & Modernize	<input type="checkbox"/>	Environmental Protection
<input type="checkbox"/>	Economic Opportunity & Reduce Congestion	<input type="checkbox"/>	Fiscal Responsibility
<input type="checkbox"/>	Better Transportation Choices & Connections		

EXPLANATION: The improvements enhance safety by improving line of sight. Martin State Airport supports the movement of people, goods and the State's economy.

SMART GROWTH STATUS:	<input type="checkbox"/> Project Not Location Specific	<input type="checkbox"/> 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	

STATUS: Design and engineering expected to start in 2023.

POTENTIAL FUNDING SOURCE:

☒ SPECIAL ☒ FEDERAL ☐ GENERAL ☐ OTHER

PHASE	TOTAL ESTIMATED COST (\$000)	EXPENDED THRU CLOSE YEAR	PREVIOUS YEAR 2022	CURRENT YEAR 2023	BUDGET YEAR 2024	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY	SIX YEAR TOTAL	BALANCE TO COMPLETE
						...2025... ...2026... ...2027... ...2028...		
Planning	0	0	0	0	0	0	0	0
Engineering	1,501	0	0	611	660	125	84	1,501
Right-of-way	0	0	0	0	0	0	0	0
Utilities	0	0	0	0	0	0	0	0
Construction	9,753	0	0	209	2,105	4,046	2,712	9,753
Total	11,254	0	0	820	2,765	4,171	2,796	11,254
Federal-Aid	6,834	0	0	459	1,371	2,721	1,824	6,834
Special	4,420	0	0	361	1,394	1,449	972	4,420
Other	0	0	0	0	0	0	0	0

SIGNIFICANT CHANGE FROM FY 2022 - 27 CTP: Added to Construction Program. Additional project funding enabled by IIJA increases.

USAGE: Safety.

OPERATING COST IMPACT: Some operating costs recoverable from Martin State Airport user fees.



PROJECT: Taxiway F Extension at Martin State Airport

DESCRIPTION: The extension of Taxiway F (the primary civilian taxiway) to the Runway 15 end will result in a full-length parallel taxiway which will provide unobstructed line-of-sight from the future Air Traffic Control Tower (ATCT), and it will improve airfield circulation and reduce aircraft taxi time. All taxiway lighting and signage will be replaced with LED infrastructure and drainage improved to alleviate runoff onto Wilson Point Road. Property acquisition for the drainage outfall is included.

PURPOSE & NEED SUMMARY STATEMENT: The project will enhance airfield safety and operations through provision of clear line of sight from the existing and proposed ATCT sites to all operational areas. In addition, the revised parallel alignment will reduce taxi length and meet all current FAA Standards.

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

- | | |
|--|--|
| <input checked="" type="checkbox"/> Safe, Secure, and Resilient | <input checked="" type="checkbox"/> Quality & Efficiency |
| <input checked="" type="checkbox"/> Maintain & Modernize | <input type="checkbox"/> Environmental Protection |
| <input checked="" type="checkbox"/> Economic Opportunity & Reduce Congestion | <input type="checkbox"/> Fiscal Responsibility |
| <input type="checkbox"/> Better Transportation Choices & Connections | |

EXPLANATION: This project provides for compliance with Public Law 109-115 and FAA Part 139 regulations. The improvements enhance safety by improving line of sight. Pavement improvements to FAA standards ensure airfield pavement maximizes aircraft safety. Martin State Airport supports the movement of people, goods and the State's economy.

- SMART GROWTH STATUS:**
- | | |
|--|---|
| <input type="checkbox"/> Project Not Location Specific | <input type="checkbox"/> 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 |

STATUS: Design and engineering expected to start in 2023.

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)	EXPENDED THRU CLOSE YEAR	PREVIOUS YEAR 2022	CURRENT YEAR 2023	BUDGET YEAR 2024	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
						...2025...	...2026...	...2027...	...2028...		
Planning	0	0	0	0	0	0	0	0	0	0	0
Engineering	1,049	0	0	175	200	37	12	312	312	1,049	0
Right-of-way	0	0	0	0	0	0	0	0	0	0	0
Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	13,585	0	0	233	1,434	2,243	3,178	3,944	2,553	13,585	0
Total	14,633	0	0	408	1,634	2,279	3,190	4,256	2,865	14,633	0
Federal-Aid	8,451	0	0	144	1,087	1,854	3,048	1,855	464	8,451	0
Special	6,183	0	0	264	548	425	142	2,402	2,402	6,183	0
Other	0	0	0	0	0	0	0	0	0	0	0

SIGNIFICANT CHANGE FROM FY 2022 - 27 CTP: Added to Construction Program. Additional project funding enabled by IJA increases.

USAGE: Accommodate projected annual flight operations.

OPERATING COST IMPACT: Some operating costs recoverable from Martin State Airport user fees.



PROJECT: Environmental Assessment at Martin State Airport

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

PURPOSE & NEED SUMMARY STATEMENT: In accordance with the National Environmental Policy Act (NEPA) and 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

STATUS: This project is complete. FAA Finding of No Significant Impact (FONSI) received February 2022.

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)	EXPENDED THRU CLOSE YEAR	PREVIOUS YEAR 2022	CURRENT YEAR 2023	BUDGET YEAR 2024	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
						...2025...	...2026...	...2027...	...2028...		
Planning	2,530	2,384	97	146	0	0	0	0	0	146	0
Engineering	3	3	0	0	0	0	0	0	0	0	0
Right-of-way	0	0	0	0	0	0	0	0	0	0	0
Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	0	0	0	0	0
Total	2,533	2,387	97	146	0	0	0	0	0	146	0
Federal-Aid	310	310	0	0	0	0	0	0	0	0	0
Special	2,223	2,077	97	146	0	0	0	0	0	146	0
Other	0	0	0	0	0	0	0	0	0	0	0

2010, 2011, 2012

SIGNIFICANT CHANGE FROM FY 2022 - 27 CTP:
None.

USAGE: Several planned capital development projects will become eligible to compete for FAA Airport Improvement Program grant funding.

OPERATING COST IMPACT: N/A

MINOR PROJECTS PROGRAM
(Dollars in Thousands)

MARYLAND AVIATION ADMINISTRATION - LINE 23

PROJECT ID	PROJECT NAME	TOTAL PROGRAMMED COST	STATUS
<u>Architecture</u>			
MAAPRJ000231	Architect Initiatives	\$ 409	Ongoing
<u>Building Permits & Inspections</u>			
MAAPRJ000164	Building Permits and Inspections	\$ 823	Ongoing
<u>Commercial Management</u>			
MAAPRJ000227	OCM Property Condition Assessments	\$ 1,337	Ongoing
<u>Consolidated Rental Car Facility</u>			
MAA2132	CRCF - BMF Equipment Replacement	\$ 1,797	Underway
MAAPRJ000242	CRCF - Facility Improvements	\$ 504	Ongoing
<u>Construction Management & Inspection</u>			
MAAPRJ000208	Comp CMI SBR AE19-006	\$ 1,452	Ongoing
MAAPRJ000209	Comp CMI SBR AE19-002	\$ 807	Ongoing
MAAPRJ000210	Comp CMI SBR AE19-004	\$ 639	Ongoing
MAAPRJ000211	Comp CMI SBR AE19-005	\$ 1,028	Ongoing
<u>Critical Technology</u>			
MAAPRJ000166	IT Equipment	\$ 22,003	Ongoing
MAAPRJ000225	Comprehensive AIT Services SV22-002	\$ 300	Ongoing
MAAPRJ000281	PARCS Maintenance	\$ 2,517	Underway
<u>Elevators, Escalators, and Walkways</u>			
MAAPRJ000261	Airport Elevator, Escalator and Moving Walkway Rehab	\$ 9,583	Underway

MINOR PROJECTS PROGRAM
(Dollars in Thousands)

MARYLAND AVIATION ADMINISTRATION - LINE 23

PROJECT ID	PROJECT NAME	TOTAL PROGRAMMED COST	STATUS
<u>Environmental Compliance</u>			
MAAPRJ000199	Comp Environmental Compliance SV20-007	\$ 4,150	Ongoing
MAAPRJ000222	Terminal Environmental Mitigation MC21-006	\$ 424	Ongoing
<u>Environmental Planning</u>			
MAAPRJ000195	Comp Environmental Planning AE-21-001	\$ 2,327	Ongoing
MAAPRJ000214	Stream & Wetland Restoration Mitigation Services MC 20-014	\$ 750	Ongoing
MAAPRJ000223	USDA Wildlife Management Services	\$ 2,334	Ongoing
<u>Future Development</u>			
MAA2044	Airport Road Electronic Signage Repl	\$ 4,682	Deferred
MAAPRJ000153	BWI Courtesy Phones ADA Issue	\$ 117	Study Underway
MAAPRJ000154	Terminal Crosswalk Rehabilitation - Phase 2	\$ 893	Design Underway
MAAPRJ000236	MDTA Police Relocation	\$ 2,436	Design Underway
MAAPRJ000251	Concourse E Outbound BHS *	\$ 4,904	Design Underway
MAAPRJ000257	Concourse E Outbound BHS Expansion - Phase 2 *	\$ 0	Design Underway
MAAPRJ000342	D/E Bag Claim Expansion *	\$ 1,732	Design Underway
<u>GIS</u>			
MAA2040	Airport Project Administration System (AirPass)	\$ 2,743	Underway
MAA2079	Security and Life Safety Systems CAD Update	\$ 2,061	Ongoing
MAA2222	MDOT Asset Management	\$ 3,581	Underway
MAA7600	Facility Management Program	\$ 2,275	Ongoing
<u>Loading Bridges</u>			
MAAPRJ000269	Passenger Boarding Bridges	\$ 500	Design Underway
<u>MTN Facilities</u>			
MAA1121	MTN Air Traffic Control Tower *	\$ 2,037	Concepts Underway
MAA9431	MTN Obstruction Removal	\$ 319	Study Underway

* Project funding enabled by IIJA increases

MINOR PROJECTS PROGRAM
(Dollars in Thousands)

MARYLAND AVIATION ADMINISTRATION - LINE 23

PROJECT ID	PROJECT NAME	TOTAL PROGRAMMED COST		STATUS
<u>MTN Facilities</u>				
MAAPRJ000162	MTN Obstacle Action Plan	\$	4	Study Underway
MAAPRJ000213	MTN Hangar Storm Damage Repair	\$	1,200	Completed
MAAPRJ000216	MTN EQ - ATCT Radio Replacements	\$	148	Completed
<u>Noise Support</u>				
MAA2309	BWI Community Roundtable	\$	864	Ongoing
MAA2318	Comp Acoustical Services Contract SV 19-001	\$	2,458	Ongoing
<u>Operating Facilities</u>				
MAA1931	Hrly Garage Parking Guidance System Upgrade	\$	4,395	Under Construction
MAA2211	RTR Relocation	\$	9,347	Under Construction
MAAPRJ000250	ARFF Heating and Vehicle Exhaust Systems Replacement	\$	925	Design Underway
MAAPRJ000338	ARFF Kitchen	\$	154	Design Underway
<u>Pavement Mgmt - BWI Airside</u>				
MAAPRJ000253	Taxilane AA Resurfacing	\$	1,065	Under Construction
MAAPRJ000337	Runway 28 and Runway 33L Emergency Pavement Repairs	\$	229	Underway
MAAPRJ000341	Expand Group V Aircraft Parking Position (Convert Manager's Lot)	\$	2,600	Design Underway
MAAPRJ000345	B/C Alley Depression - Emergency Pavement Repairs	\$	73	Underway
<u>Pavement Mgmt -BWI Landside</u>				
MAAPRJ000155	Long Term Lot B Pavement Rehab	\$	4,458	Under Construction
MAAPRJ000255	Pedestrian Walkway Joint Repairs	\$	1,005	Under Construction
MAAPRJ000366	Comprehensive Paving Improvements CO22-005	\$	21	Underway
<u>Pavement Mgmt -MTN Airside</u>				
MAAPRJ000275	MTN Runway 15/33 Improvements *	\$	1,600	Design Underway

* Project funding enabled by IIJA increases

MINOR PROJECTS PROGRAM
(Dollars in Thousands)

MARYLAND AVIATION ADMINISTRATION - LINE 23

PROJECT ID	PROJECT NAME	TOTAL PROGRAMMED COST		STATUS
<u>Planning</u>				
MAA2193	FIS Hall Reconfiguration	\$	453	Study Underway
MAA2216	C/D Connector Study	\$	3,437	Study Underway
MAAPRJ000167	Regional Air Passenger Survey	\$	132	Ongoing
MAAPRJ000303	BWI Master Plan & ALP Update	\$	2,500	Ongoing
MAAPRJ000310	Roadway & Curbside Capacity Analysis	\$	500	Design Underway
<u>Pre-Construction Project Env, Plan, Eng</u>				
MAA1943	Pavement Management Plan - BWI/MTN	\$	4,486	Ongoing
MAA1959	BWI Aerial Photogrammetry & Airspace Analysis	\$	458	Completed
<u>Real Estate Services</u>				
MAA7018	Real Estate Property Services	\$	694	Ongoing
MAA7810	10-01 RPZ Property Acquisition	\$	1,701	Underway
<u>Regional Aviation</u>				
MAAPRJ000181	MD Aviation System Plan Update	\$	346	Underway
<u>Security</u>				
MAA2345	MTN AOA Fence Upgrade	\$	1,934	Design Underway
MAAPRJ000171	Security Overlooks	\$	10	Study Underway
MAAPRJ000374	Controlled Access Security System (CASS) Upgrade	\$	4,800	Underway
<u>Tenant Facilities</u>				
MAA7500	Terminal Leasehold Modifications	\$	2,505	Ongoing
MAAPRJ000340	DuClaw Space Conversion to Ticket Counters	\$	85	Study Underway
<u>Terminal Facilities</u>				
MAA1939	BWI New Air Traffic Control Tower *	\$	1,898	Concepts Underway

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MINOR PROJECTS PROGRAM
(Dollars in Thousands)

MARYLAND AVIATION ADMINISTRATION - LINE 23

PROJECT ID	PROJECT NAME	TOTAL PROGRAMMED COST	STATUS
<u>Terminal Facilities</u>			
MAAPRJ000157	MAC Building Winter Bunk Houses	\$ 344	Completed
MAAPRJ000215	BGE S Substation Transformer T1 Repl - Phase 1	\$ 1,080	Completed
MAAPRJ000219	Roll Up Door NT110R Replacement	\$ 249	Completed
MAAPRJ000235	Delta and Spirit Ticket Counter Modifications	\$ 1,237	Deferred
MAAPRJ000259	Terminal A/B Roof Replacement *	\$ 2,012	Design Underway
MAAPRJ000270	PC Air and 400Hz Electrical Equipment Installation at Four Gates	\$ 2,356	Underway
MAAPRJ000279	Checkpoint D Expansion	\$ 837	Design Completed
MAAPRJ000370	Electrical Capacity for United Upgrades	\$ 400	Design Underway
<u>Vehicles and Equipment</u>			
MAA2198	BWI Mobile Stairs and Medical Lift	\$ 1,169	Underway
MAA2230	BWI Equip Replacement FY 2021	\$ 1,923	Completed
MAA2231	MTN Equipment Replacement FY 2021	\$ 776	Completed
MAA2232	AED Defibrillators Replacement	\$ 256	Underway
MAAPRJ000178	BWI Equipment Replacement - FY2022	\$ 2,308	Underway
MAAPRJ000179	MTN Equipment Replacement - FY2022	\$ 992	Underway
MAAPRJ000228	BWI Equip Replacement FY 2023	\$ 1,379	FY 2023
MAAPRJ000229	MTN Equip Replacement FY 2023	\$ 762	FY 2023

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