

**MDOT** MARYLAND DEPARTMENT OF TRANSPORTATION  

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MARYLAND AVIATION ADMINISTRATION

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

	<u>FY 2021</u>	<u>FY 2022</u>	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>SIX - YEAR TOTAL</u>
<b><u>Construction Program</u></b>							
Major Projects	85.3	199.7	178.0	143.5	82.1	1.8	690.4
System Preservation Minor Projects	49.6	17.3	9.1	16.6	11.3	18.1	122.1
<b><u>Development &amp; Evaluation Program</u></b>	1.2	0.0	-	-	-	-	1.2
<b>SUBTOTAL</b>	136.2	217.1	187.1	160.1	93.4	19.9	813.8
<b><u>Capital Salaries, Wages &amp; Other Costs</u></b>	6.5	6.5	6.5	7.0	7.0	7.0	40.5
<b>TOTAL</b>	142.7	223.6	193.6	167.1	100.4	26.9	854.3
Special Funds	61.9	23.2	17.7	22.5	18.4	22.9	166.6
Federal Funds	19.3	23.7	14.3	4.0	4.0	4.0	69.4
Other Funds	61.5	176.6	161.6	140.6	78.0	-	618.3

\* For Minors breakdown, please refer to the System Preservation Minor Projects Program report.



**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 5 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

**ASSOCIATED IMPROVEMENTS:**

None.

**STATUS:** Grants issued during State fiscal year 2019 are either completed or ongoing.

**POTENTIAL FUNDING SOURCE:**

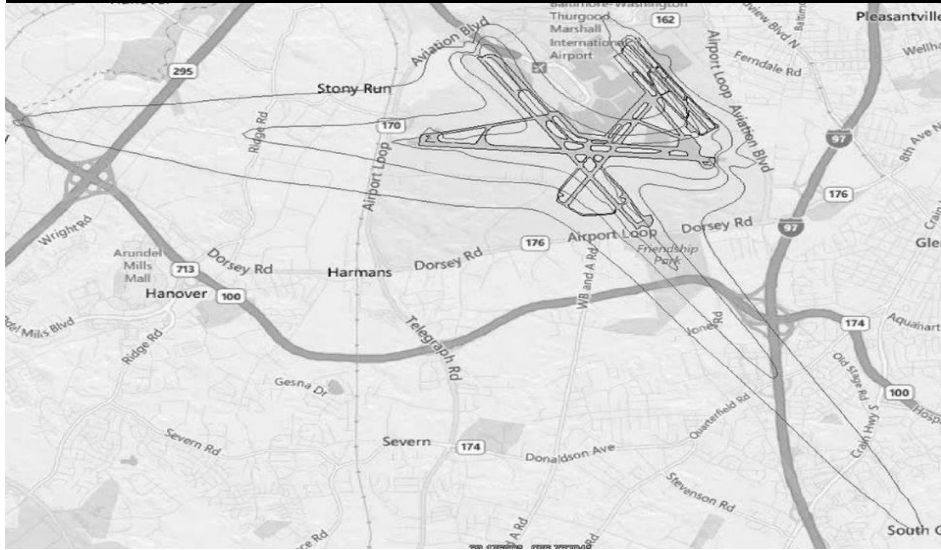
☒ SPECIAL ☐ FEDERAL ☐ GENERAL ☐ OTHER

PHASE	TOTAL		PREVIOUS YEAR 2020	CURRENT YEAR 2021	BUDGET YEAR 2022	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
	ESTIMATED COST (\$000)	EXPENDED THRU CLOSE YEAR				...2023...	...2024...	...2025...	...2026...		
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	0	0	229	0	0	0	0	0	229	0
Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	72,237	61,301	2,538	2,386	1,650	1,650	1,650	1,800	1,800	10,936	0
<b>Total</b>	<b>72,465</b>	<b>61,301</b>	<b>2,538</b>	<b>2,615</b>	<b>1,650</b>	<b>1,650</b>	<b>1,650</b>	<b>1,800</b>	<b>1,800</b>	<b>11,165</b>	<b>0</b>
Federal-Aid										0	
Special	72,465	61,301	2,538	2,615	1,650	1,650	1,650	1,800	1,800	11,165	0
Other										0	

**SIGNIFICANT CHANGE FROM FY 2020 - 25 CTP:** Increase of \$2.2 million due primarily to addition of fiscal year 2026.

**USAGE:**

**OPERATING COST IMPACT:**

**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 |  |

**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.

**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 avigation 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.

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

- |  |   |
|--|---|
| <input checked="" type="checkbox"/> Project Inside PFA   | <input type="checkbox"/> Grandfathered<br><input type="checkbox"/> Exception Will Be Required<br><input type="checkbox"/> Exception Granted |
| <input type="checkbox"/> Project Outside PFA             |   |
| <input type="checkbox"/> PFA Status Yet to Be Determined |   |

**ASSOCIATED IMPROVEMENTS:**

None.

**STATUS:** Five year program manager contract awarded January 2020. Federal AIP grant awarded in September 2020 for the initial implementation phase of the program. 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		PREVIOUS YEAR 2020	CURRENT YEAR 2021	BUDGET YEAR 2022	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
	ESTIMATED COST (\$000)	EXPENDED THRU CLOSE YEAR				...2023...	...2024...	...2025...	...2026...		
Planning	0	0	0	0	0	0	0	0	0	0	0
Engineering	3,381	33	33	1,127	1,127	1,094	0	0	0	3,348	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	30,998	0	0	10,332	10,333	10,333	0	0	0	30,998	0
<b>Total</b>	<b>34,379</b>	<b>33</b>	<b>33</b>	<b>11,459</b>	<b>11,460</b>	<b>11,427</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>34,346</b>	<b>0</b>
Federal-Aid	27,502	0	0	9,168	9,167	9,167	0	0	0	27,502	0
Special										0	
Other	6,877	33	33	2,291	2,293	2,260	0	0	0	6,844	0

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

**SIGNIFICANT CHANGE FROM FY 2020 - 25 CTP:**

None.

**USAGE:****OPERATING COST IMPACT:**

**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 State economy.

**PROJECT:** Shuttle Bus Service Fleet Replacement at BWI Marshall Airport

**DESCRIPTION:** This project will purchase a maximum of fifty, 40-foot and 60-foot buses to be powered by clean diesel and electric for shuttle bus services to and from airport operated parking facilities and the Amtrak BWI Rail Station. Electrical charging infrastructure is now part of the project scope.

**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.

**SMART GROWTH STATUS:** ☐ Project Not Location Specific ☐ Not Subject to PFA Law  
☒ Project Inside PFA ☐ Grandfathered  
☐ Project Outside PFA ☐ Exception Will Be Required  
☐ PFA Status Yet to Be Determined ☐ Exception Granted

**ASSOCIATED IMPROVEMENTS:**

None.

**STATUS:** Forty clean diesel buses in passenger service. Purchasing eight electric buses. Letter of Intent to be issued January 2021 with anticipated delivery in January 2022.

**POTENTIAL FUNDING SOURCE:**

☒ SPECIAL ☐ FEDERAL ☐ GENERAL ☒ OTHER

PHASE	TOTAL		PREVIOUS YEAR 2020	CURRENT YEAR 2021	BUDGET YEAR 2022	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
	ESTIMATED COST (\$000)	EXPENDED THRU CLOSE YEAR				...2023...	...2024...	...2025...	...2026...		
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	37,348	24,827	13,166	21	12,500	0	0	0	0	12,521	0
<b>Total</b>	<b>37,348</b>	<b>24,827</b>	<b>13,166</b>	<b>21</b>	<b>12,500</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>12,521</b>	<b>0</b>
Federal-Aid	95	95	95	0	0	0	0	0	0	0	0
Special	21	0	0	21	0	0	0	0	0	21	0
Other	37,232	24,732	13,071	0	12,500	0	0	0	0	12,500	0

2210 Other funding source is Certificate of Participation (COPS).

**SIGNIFICANT CHANGE FROM FY 2020 - 25 CTP:**

None.

**USAGE:** Over 1,000 daily trips with approximately 4 million riders annually.

**OPERATING COST IMPACT:** Operating costs will be recovered thru airport user fees.



**PROJECT:** Midfield Cargo Area Improvements at BWI Marshall Airport

**DESCRIPTION:** This project consists of improvements to the Midfield Cargo Complex facilities, expansion of apron and taxiway, aircraft parking positions. Improvements include vehicle service road, expansion for new pavement, security enhancements, building modifications, apron pavement rehabilitation, additional aircraft parking positions, overlay and extension of Taxiway Z, and tenant relocation costs.

**PURPOSE & NEED SUMMARY STATEMENT:** These improvements will provide additional facility and apron space for expanded cargo operations, and preserves the existing airfield pavement to minimize aircraft exposure to Foreign Object Debris (FOD).

**SMART GROWTH STATUS:** ☐ Project Not Location Specific ☐ Not Subject to PFA Law  
☒ Project Inside PFA ☐ Grandfathered  
☐ Project Outside PFA ☐ Exception Will Be Required  
☐ PFA Status Yet to Be Determined ☐ Exception Granted

**ASSOCIATED IMPROVEMENTS:**

None.

**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 checked="" type="checkbox"/> Economic Opportunity & Reduce Congestion | <input type="checkbox"/> Fiscal Responsibility    |
| <input type="checkbox"/> Better Transportation Choices & Connections         |   |

**EXPLANATION:** This project provides compliance with FAA Part 139 regulations. Pavement and deicing improvements, new aircraft parking positions, taxiway modifications, and FAA standards ensure airfield pavement and safety is maximized. The expansion of BWI Marshall Airport cargo operations supports the movement of people, goods and State economy.

**STATUS:** Taxiway Z open to use. Vehicle service road bids received November 2020 with Spring 2021 construction start.

**POTENTIAL FUNDING SOURCE:**

☒ SPECIAL ☒ FEDERAL ☐ GENERAL ☐ OTHER

PHASE	TOTAL		PREVIOUS YEAR 2020	CURRENT YEAR 2021	BUDGET YEAR 2022	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
	ESTIMATED COST (\$000)	EXPENDED THRU CLOSE YEAR				...2023...	...2024...	...2025...	...2026...		
Planning	219	219	0	0	0	0	0	0	0	0	0
Engineering	1,865	1,827	374	38	0	0	0	0	0	38	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	31,857	30,024	14,816	1,834	0	0	0	0	0	1,834	0
<b>Total</b>	<b>33,941</b>	<b>32,070</b>	<b>15,190</b>	<b>1,872</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,872</b>	<b>0</b>
Federal-Aid	12,345	12,318	8,921	27	0	0	0	0	0	27	0
Special	21,596	19,751	6,268	1,845	0	0	0	0	0	1,845	0
Other										0	

**SIGNIFICANT CHANGE FROM FY 2020 - 25 CTP:** Cost decrease of \$2.0 million due to completion of Taxiway Z under budget.

**USAGE:** Accommodate expanded cargo operations.

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

2195, 2203, 2213, 2223



**PROJECT:** Concourse A Improvements Phase 2 at BWI Marshall Airport

**DESCRIPTION:** This project represents the second phase of improvements envisioned during the original Concourse A/B Expansion. The project adds 5 gates sized for B737-800 aircraft by extending the existing Concourse A approximately 234 feet to the northwest, creating a 55,000 square foot addition. The improvements include gates, restrooms, loading bridges, concessions, electrical, mechanical and storage.

**PURPOSE & NEED SUMMARY STATEMENT:** The project will provide holdrooms designed to ensure required capacity relative to aircraft seats to be used at the new gates for life safety, provide additional aircraft parking positions and gates to deal with capacity constraints during peak periods and provide the ability to reconfigure the existing apron level for safer, improved circulation for people and goods.

**SMART GROWTH STATUS:** ☐ Project Not Location Specific ☐ Not Subject to PFA Law  
☒ Project Inside PFA ☐ Grandfathered  
☐ Project Outside PFA ☐ Exception Will Be Required  
☐ PFA Status Yet to Be Determined ☐ Exception Granted

**ASSOCIATED IMPROVEMENTS:**

None.

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

- |  |  |
|--|--|
| <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 State economy.

**STATUS:** Project substantially complete August 2020. Closeout work to continue through December 2020.

**POTENTIAL FUNDING SOURCE:**

☒ SPECIAL ☒ FEDERAL ☐ GENERAL ☒ OTHER

PHASE	TOTAL		PREVIOUS YEAR 2020	CURRENT YEAR 2021	BUDGET YEAR 2022	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
	ESTIMATED COST (\$000)	EXPENDED THRU CLOSE YEAR				...2023...	...2024...	...2025...	...2026...		
Planning	15	15	0	0	0	0	0	0	0	0	0
Engineering	8,337	14,804	8,983	(6,468)	0	0	0	0	0	(6,468)	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	60,010	36,333	32,761	23,677	0	0	0	0	0	23,677	0
<b>Total</b>	<b>68,361</b>	<b>51,152</b>	<b>41,744</b>	<b>17,209</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>17,209</b>	<b>0</b>
Federal-Aid	1,895	124	124	1,771	0	0	0	0	0	1,771	0
Special	8,717	11,255	2,405	(2,538)	0	0	0	0	0	(2,538)	0
Other	57,750	39,773	39,215	17,977	0	0	0	0	0	17,977	0

**SIGNIFICANT CHANGE FROM FY 2020 - 25 CTP:** Cost increase of \$3.9 million due to extension of construction schedule. Federal grant for \$1.7 million received for three passenger boarding bridges.

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

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

9598 Other funding source is MDTA Loan and Passenger Facility Charge (PFC) revenue bonds.



**PROJECT:** Concourse D HVAC Replacement at BWI Marshall Airport

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

**PURPOSE & NEED SUMMARY STATEMENT:** Existing HVAC systems in the DY and commuter portion of the terminal 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.

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

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

**ASSOCIATED IMPROVEMENTS:**

None.

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

☐ Safe, Secure, and Resilient ☒ Quality & Efficiency  
☒ Maintain & Modernize ☐ Environmental Protection  
☐ Economic Opportunity & Reduce Congestion ☐ Fiscal Responsibility  
☐ Better Transportation Choices & Connections

**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 State economy.

**STATUS:** Construction bids received November 2020. Passenger Facility Charge (PFC) application approved March 2019.

**POTENTIAL FUNDING SOURCE:**

☒ SPECIAL ☐ FEDERAL ☐ GENERAL ☒ OTHER

PHASE	TOTAL		PREVIOUS YEAR 2020	CURRENT YEAR 2021	BUDGET YEAR 2022	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
	ESTIMATED COST (\$000)	EXPENDED THRU CLOSE YEAR				...2023...	...2024...	...2025...	...2026...		
Planning	0	0	0	0	0	0	0	0	0	0	0
Engineering	2,274	1,342	1,013	724	208	0	0	0	0	932	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	19,875	0	0	8,931	9,694	0	1,249	0	0	19,874	0
<b>Total</b>	<b>22,148</b>	<b>1,342</b>	<b>1,013</b>	<b>9,655</b>	<b>9,902</b>	<b>0</b>	<b>1,249</b>	<b>0</b>	<b>0</b>	<b>20,806</b>	<b>0</b>
Federal-Aid										0	
Special	5,830	536	274	2,345	1,700	0	1,249	0	0	5,294	0
Other	16,319	806	739	7,310	8,202	0	0	0	0	15,512	0

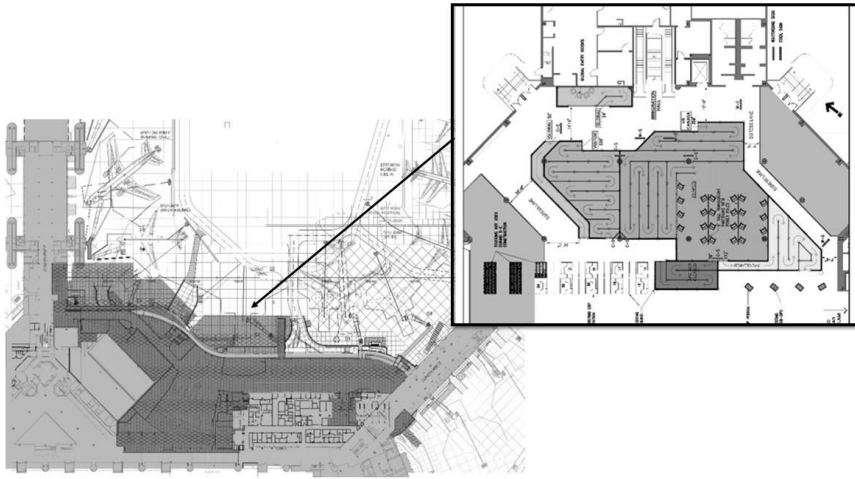
**SIGNIFICANT CHANGE FROM FY 2020 - 25 CTP:** Cost increase of \$2.6 million based on revised cost estimate.

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

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

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



**PROJECT:** FIS Hall Reconfiguration at BWI Marshall Airport

**DESCRIPTION:** This project will improve passenger flow in the Federal Inspection Service (FIS) area by implementing Customs and Border Protection's (CBP) new biometrics and "Baggage First" processing approach, and reconfiguring the current Immigration and Customs Halls to provide more space for queuing, passport kiosks, and CBP processing areas.

**PURPOSE & NEED SUMMARY STATEMENT:** To accommodate international travel demand, eight new international arrival gates have been added at BWI Marshall Airport. Currently during peak periods, passengers are often required to wait on the aircraft because of lack of processing space in the FIS hall. FIS hall reconfiguration optimizes the facility to support timely processing of existing passengers and accommodate additional international passengers from the new arrival gates.

**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 type="checkbox"/> Economic Opportunity & Reduce Congestion    | <input type="checkbox"/> Fiscal Responsibility           |
| <input type="checkbox"/> Better Transportation Choices & Connections |  |

**EXPLANATION:** These improvements will improve the passenger processing experience through immigrations by optimizing the facility to process current passenger volumes and accommodate additional international passengers from the new arrival gates. BWI Marshall Airport supports the movement of people, goods and State economy.

- SMART GROWTH STATUS:** ☐ Project Not Location Specific ☐ Not Subject to PFA Law
- |  |       |   |
|--|-------|---|
| <input checked="" type="checkbox"/> Project Inside PFA   | _____ | <input type="checkbox"/> Grandfathered              |
| <input type="checkbox"/> Project Outside PFA             |       | <input type="checkbox"/> Exception Will Be Required |
| <input type="checkbox"/> PFA Status Yet to Be Determined |       | <input type="checkbox"/> Exception Granted          |

**ASSOCIATED IMPROVEMENTS:**

None.

**STATUS:** State and Other funding delayed due to reduced PFC revenues.

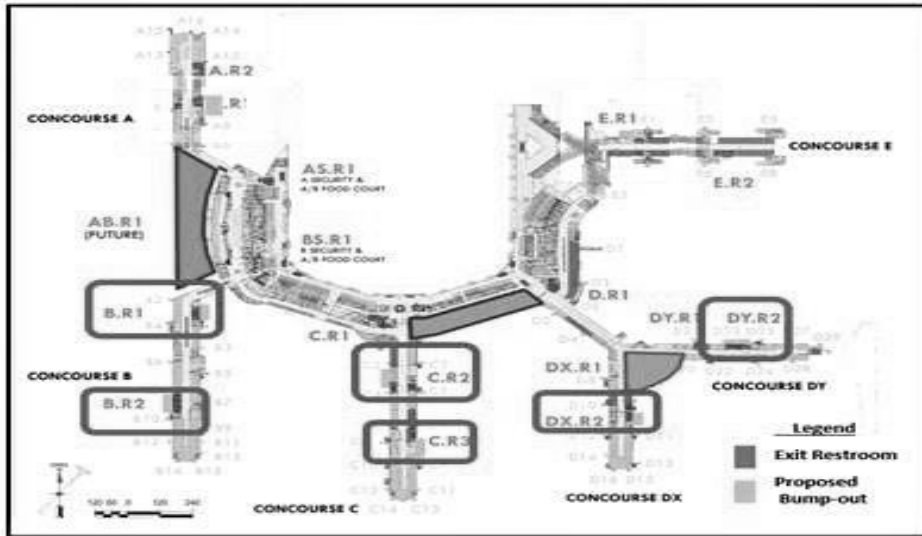
POTENTIAL FUNDING SOURCE:						<input checked="" type="checkbox"/> SPECIAL <input type="checkbox"/> FEDERAL <input type="checkbox"/> GENERAL <input checked="" type="checkbox"/> OTHER					
PHASE	TOTAL ESTIMATED COST (\$000)	EXPENDED THRU CLOSE YEAR	PREVIOUS YEAR 2020	CURRENT YEAR 2021	BUDGET YEAR 2022	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
						...2023...	...2024...	...2025...	...2026...		
Planning	0	0	0	0	0	0	0	0	0	0	0
Engineering	1,202	3	3	1,148	50	0	0	0	0	1,198	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	8,800	0	0	4,428	4,372	0	0	0	0	8,800	0
<b>Total</b>	<b>10,002</b>	<b>3</b>	<b>3</b>	<b>5,576</b>	<b>4,422</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>9,998</b>	<b>0</b>
Federal-Aid										0	
Special	222	2	2	138	82	0	0	0	0	220	0
Other	9,780	2	2	5,438	4,340	0	0	0	0	9,778	0

**SIGNIFICANT CHANGE FROM FY 2020 - 25 CTP:**  
None.

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

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

2193 Other funding source is Passenger Facility Charge (PFC) revenue bonds.

**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 |  |

**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 State economy.

**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.

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

<input checked="" type="checkbox"/> Project Inside PFA	Grandfathered Exception Will Be Required Exception Granted
<input type="checkbox"/> Project Outside PFA	
<input type="checkbox"/> PFA Status Yet to Be Determined	

**ASSOCIATED IMPROVEMENTS:**

None.

**STATUS:** Project advertised November 2020. Passenger Facility Charge (PFC) application approved March 2019.

**POTENTIAL FUNDING SOURCE:**

☒ SPECIAL ☐ FEDERAL ☐ GENERAL ☒ OTHER

PHASE	TOTAL		PREVIOUS YEAR 2020	CURRENT YEAR 2021	BUDGET YEAR 2022	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
	ESTIMATED COST (\$000)	EXPENDED THRU CLOSE YEAR				...2023...	...2024...	...2025...	...2026...		
Planning	0	0	0	0	0	0	0	0	0	0	0
Engineering	5,988	3,223	2,777	1,871	880	13	0	0	0	2,764	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	58,685	99	19	21,222	21,182	16,182	0	0	0	58,586	0
<b>Total</b>	<b>64,673</b>	<b>3,321</b>	<b>2,795</b>	<b>23,093</b>	<b>22,063</b>	<b>16,196</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>61,352</b>	<b>0</b>
Federal-Aid										0	
Special	515	515	(6)	0	0	0	0	0	0	0	0
Other	64,158	2,807	2,802	23,093	22,063	16,196	0	0	0	61,352	0

**SIGNIFICANT CHANGE FROM FY 2020 - 25 CTP:** Cost increase of \$10 million reflects modification of design standards and project scope.

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

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

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



**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.

**SMART GROWTH STATUS:** ☐ Project Not Location Specific ☐ Not Subject to PFA Law  
☒ Project Inside PFA ☐ Grandfathered  
☐ Project Outside PFA ☐ Exception Will Be Required  
☐ PFA Status Yet to Be Determined ☐ Exception Granted

**ASSOCIATED IMPROVEMENTS:**

Line 11 - Taxiway F Relocation.

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

☐ Safe, Secure, and Resilient ☒ Quality & Efficiency  
☐ Maintain & Modernize ☐ Environmental Protection  
☒ Economic Opportunity & Reduce Congestion ☐ Fiscal Responsibility  
☐ 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 State economy.

**STATUS:** Project delayed due to economic conditions. Ready to advertise early in calendar year 2021. Target FY 2022 for construction start.

**POTENTIAL FUNDING SOURCE:**

☒ SPECIAL ☐ FEDERAL ☐ GENERAL ☒ OTHER

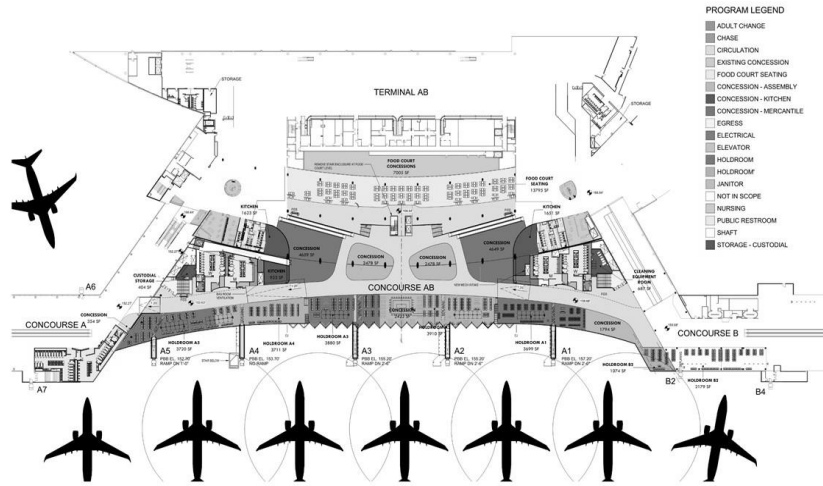
PHASE	TOTAL		PREVIOUS YEAR 2020	CURRENT YEAR 2021	BUDGET YEAR 2022	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
	ESTIMATED COST (\$000)	EXPENDED THRU CLOSE YEAR				...2023...	...2024...	...2025...	...2026...		
Planning	0	0	0	0	0	0	0	0	0	0	0
Engineering	3,653	3,259	633	394	0	0	0	0	0	394	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	64,048	1,014	63	34	21,865	21,865	19,270	0	0	63,034	0
<b>Total</b>	<b>67,701</b>	<b>4,273</b>	<b>696</b>	<b>428</b>	<b>21,865</b>	<b>21,865</b>	<b>19,270</b>	<b>0</b>	<b>0</b>	<b>63,428</b>	<b>0</b>
Federal-Aid	423	423	423	0	0	0	0	0	0	0	0
Special	4,278	3,850	273	428	0	0	0	0	0	428	0
Other	63,000	0	0	0	21,865	21,865	19,270	0	0	63,000	0

**SIGNIFICANT CHANGE FROM FY 2020 - 25 CTP:** Cost decrease of \$1.4 million reflects reallocation of engineering costs.

**USAGE:** Accommodate projected airline maintenance needs.

**OPERATING COST IMPACT:** Operating cost responsibility of airline.

9720, 9721, 9722 Other funding source is Maryland Transportation Authority (MDTA) Loan.

**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 State economy.

**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 and upgrades to the Central Utility Plant. The project will also provide expanded holdrooms, new restrooms, and concessions.

**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.

**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"/> Exception Will Be Required <input type="checkbox"/> Exception Granted
<input type="checkbox"/> Project Outside PFA	
<input type="checkbox"/> PFA Status Yet to Be Determined	

**ASSOCIATED IMPROVEMENTS:**

Line 14 - Concourse A/B Enabling - Central Utility Plant Upgrades.

**STATUS:** Design to complete early calendar year 2021. Target FY 2022 for construction start.

**POTENTIAL FUNDING SOURCE:**

☒ SPECIAL ☐ FEDERAL ☐ GENERAL ☒ OTHER

PHASE	TOTAL		PREVIOUS YEAR 2020	CURRENT YEAR 2021	BUDGET YEAR 2022	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
	ESTIMATED COST (\$000)	EXPENDED THRU CLOSE YEAR				...2023...	...2024...	...2025...	...2026...		
Planning	0	0	0	0	0	0	0	0	0	0	0
Engineering	95,158	19,968	17,892	5,090	19,886	19,886	19,886	10,443	0	75,191	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	354,932	32	0	0	84,500	101,400	101,400	67,600	0	354,900	0
<b>Total</b>	<b>450,090</b>	<b>20,000</b>	<b>17,892</b>	<b>5,090</b>	<b>104,386</b>	<b>121,286</b>	<b>121,286</b>	<b>78,043</b>	<b>0</b>	<b>430,091</b>	<b>0</b>
Federal-Aid	386	386	386	0	0	0	0	0	0	0	0
Special	24,705	19,615	17,507	5,090	0	0	0	0	0	5,090	0
Other	425,000	0	0	0	104,386	121,286	121,286	78,043	0	425,000	0

9590, 9591, 9592, 9593, 9594, 9597 Other funding source is MDOT revenue bonds.

**SIGNIFICANT CHANGE FROM FY 2020 - 25 CTP:** Draft CTP moved project to Development & Evaluation Program. Project returning to Construction Program with revised schedule.

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

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



**PROJECT:** Taxiway F Relocation at BWI Marshall Airport

**DESCRIPTION:** Phase 1 of this project will reconstruct, in concrete, 2500 linear feet of taxiway parallel to Runway 10-28 at a proposed offset of 750 feet. The construction will include clearing, grading, paving, airfield lighting, signage and pavement marking improvements.

**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 State economy.

- SMART GROWTH STATUS:** ☐ Project Not Location Specific ☐ Not Subject to PFA Law
- |  |  |   |
|--|--|---|
| <input checked="" type="checkbox"/> Project Inside PFA   |  | <input type="checkbox"/> Grandfathered              |
| <input type="checkbox"/> Project Outside PFA             |  | <input type="checkbox"/> Exception Will Be Required |
| <input type="checkbox"/> PFA Status Yet to Be Determined |  | <input type="checkbox"/> Exception Granted          |

**ASSOCIATED IMPROVEMENTS:**

Line 9 - Aircraft Maintenance Facility Infrastructure.

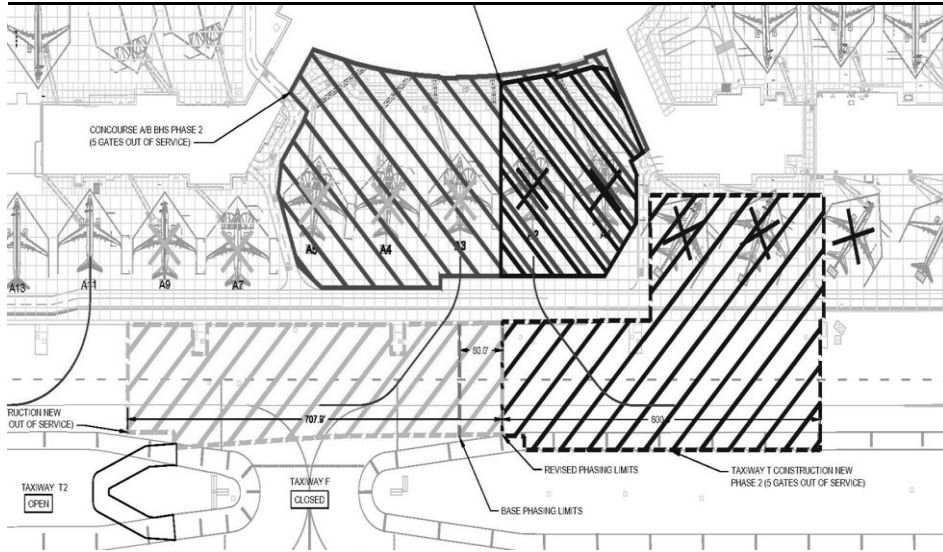
**STATUS:** Ready to advertise early in calendar year 2021. Target FY 2022 construction start.

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 2020	CURRENT YEAR 2021	BUDGET YEAR 2022	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
						...2023...	...2024...	...2025...	...2026...		
Planning	0	0	0	0	0	0	0	0	0	0	0
Engineering	4,119	828	659	196	2,650	445	0	0	0	3,291	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	2,321	0	0	0	1,160	1,160	0	0	0	2,320	0
<b>Total</b>	<b>6,440</b>	<b>828</b>	<b>659</b>	<b>196</b>	<b>3,810</b>	<b>1,606</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5,612</b>	<b>0</b>
Federal-Aid	5,000	358	358	0	3,482	1,161	0	0	0	4,642	0
Special	1,440	469	300	196	329	445	0	0	0	970	0
Other										0	

**SIGNIFICANT CHANGE FROM FY 2020 - 25 CTP:** Project moved from Development & Evaluation Program to Construction Program. Cost increase of \$3.8 million due to addition of construction estimate.

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

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

**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 State economy.

**PROJECT:** Taxiway T Reconstruction Phase 1 at BWI Marshall Airport

**DESCRIPTION:** This project will reconstruct a portion of Taxiway T behind gates A7 thru B2 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 Federal Aviation Administration (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 42-64 according to the 2019 Pavement Management Plan Update. In addition, the replacement of taxiway lighting and signage will enhance safety.

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

☒ Project Inside PFA ☐ Project Outside PFA ☐ PFA Status Yet to Be Determined

☐ Grandfathered Exception Will Be Required ☐ Exception Granted

**ASSOCIATED IMPROVEMENTS:**

None.

**STATUS:** Bids accepted October 2020. Construction starts Spring 2021.

**POTENTIAL FUNDING SOURCE:**

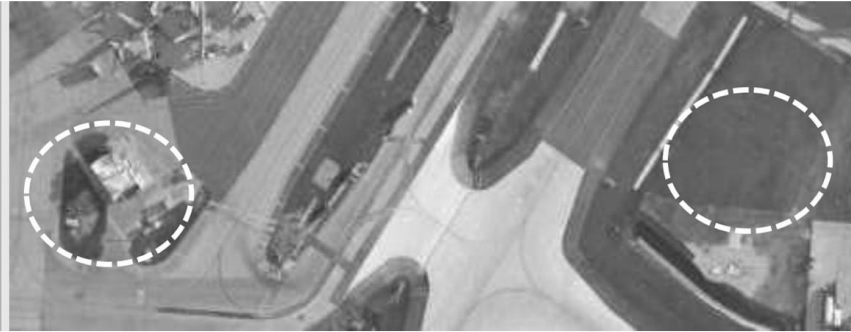
☐ SPECIAL ☒ FEDERAL ☐ GENERAL ☐ OTHER

PHASE	TOTAL		PREVIOUS YEAR 2020	CURRENT YEAR 2021	BUDGET YEAR 2022	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
	ESTIMATED COST (\$000)	EXPENDED THRU CLOSE YEAR				...2023...	...2024...	...2025...	...2026...		
Planning	0	0	0	0	0	0	0	0	0	0	0
Engineering	1,139	562	428	577	0	0	0	0	0	577	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	11,976	0	0	5,990	5,985	0	0	0	0	11,975	0
<b>Total</b>	<b>13,115</b>	<b>562</b>	<b>428</b>	<b>6,567</b>	<b>5,985</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>12,552</b>	<b>0</b>
Federal-Aid	11,416	0	0	5,777	5,639	0	0	0	0	11,416	0
Special	1,699	562	428	790	347	0	0	0	0	1,136	0
Other										0	

**SIGNIFICANT CHANGE FROM FY 2020 - 25 CTP:** New project added to Construction Program. Federal AIP and CARES grants received for \$11.4 million.

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

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



**PROJECT:** Airfield Lighting Vault Relocation at BWI Marshall Airport

**DESCRIPTION:** This project will relocate the existing Airfield Lighting Vault, demolish the existing facility and convert the site to aircraft apron pavement. In addition, the demolition will allow for taxiway and apron improvements between Taxiways T and P. The building will be replaced with a dedicated facility that incorporates all new airfield lighting control and infrastructure, purpose design layout incorporating circuit resiliency by segregating portions of the airfield into different sections reducing the possibility of a single point of failure and a state of the art nitrogen inerting fire protection system.

**PURPOSE & NEED SUMMARY STATEMENT:** The existing facility is a repurposed fire station and does not meet the requirements of a proper Airfield Lighting Vault. The existing facility represents a potential single point of failure in a catastrophic event and the existing site constrains airfield capacity into the Concourses B-C alley. The existing regulators, power transformers, emergency power generator and fire protection system are all in need of replacement.

**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 checked="" type="checkbox"/> Economic Opportunity & Reduce Congestion	<input type="checkbox"/> Fiscal Responsibility
<input type="checkbox"/> Better Transportation Choices & Connections	

**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 State economy.

<b>SMART GROWTH STATUS:</b>		<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

**ASSOCIATED IMPROVEMENTS:**

None.

**STATUS:** Under design for early calendar year 2021 advertisement. Project contingent upon receipt of federal funding.

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 2020	CURRENT YEAR 2021	BUDGET YEAR 2022	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE	
						...2023...	...2024...	...2025...	...2026...			
Planning	15	15	0	0	0	0	0	0	0	0	0	
Engineering	1,909	809	645	1,100	0	0	0	0	0	1,100	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	7,929	0	0	0	1,679	4,000	0	2,250	0	7,929	0	
<b>Total</b>	<b>9,853</b>	<b>824</b>	<b>645</b>	<b>1,100</b>	<b>1,679</b>	<b>4,000</b>	<b>0</b>	<b>2,250</b>	<b>0</b>	<b>9,029</b>	<b>0</b>	
Federal-Aid	8,046	117	117	0	1,679	4,000	0	2,250	0	7,929	0	
Special	1,807	707	528	1,100	0	0	0	0	0	1,100	0	
Other										0		

**SIGNIFICANT CHANGE FROM FY 2020 - 25 CTP:** New project added to Construction Program based on \$8.0 million of projected federal AIP grants.

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

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

**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		

**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 State economy.

**PROJECT:** Concourse A/B Enabling - Central Utility Plant Upgrades

**DESCRIPTION:** This project will replace and upsize existing Chillers 3 and 4 along with their associated cooling towers. Cooling towers supporting previously upsized Chillers 1 and 2 will be right sized to meet the chilled water needs. In addition, the project will upgrade the condenser water loop and pumps to support the water flow needed for the four chillers.

**PURPOSE & NEED SUMMARY STATEMENT:** Central Utility Plant upgrades are necessary to keep up with airport expansion in order to provide cooling of the terminal complex.

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

☒ Project Inside PFA ☐ Grandfathered

☐ Project Outside PFA ☐ Exception Will Be Required

☐ PFA Status Yet to Be Determined ☐ Exception Granted

**ASSOCIATED IMPROVEMENTS:**

Line 10 - Concourse A/B Connector and Baggage Handling System.

**STATUS:** State funding reduced due to potential inclusion in Concourse A/B Connector & Baggage Handling System Replacement project scope.

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 2020	CURRENT YEAR 2021	BUDGET YEAR 2022	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
						...2023...	...2024...	...2025...	...2026...		
Planning	0	0	0	0	0	0	0	0	0	0	0
Engineering	94	94	94	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
<b>Total</b>	<b>94</b>	<b>94</b>	<b>94</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Federal-Aid	71	71	71	0	0	0	0	0	0	0	0
Special	23	23	23	0	0	0	0	0	0	0	0
Other										0	

**SIGNIFICANT CHANGE FROM FY 2020 - 25 CTP:** Project moved to Development & Evaluation Program from Construction Program. Cost decrease of \$10.7 million reflects removal of all design and construction costs after fiscal year 2020.

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

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





**PROJECT:** Environmental Assessment at Martin State Airport

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

**PURPOSE & NEED SUMMARY STATEMENT:** In accordance with Federal Aviation Administration Order 5050.4B, Airport Environmental Handbook, MAA must determine the environmental consequences of capital project development as proposed by the Airport Layout Plan.

**SMART GROWTH STATUS:** ☐ Project Not Location Specific ☐ Not Subject to PFA Law  
☒ Project Inside PFA ☐ Grandfathered  
☐ Project Outside PFA ☐ Exception Will Be Required  
☐ PFA Status Yet to Be Determined ☐ Exception Granted

**ASSOCIATED IMPROVEMENTS:**

None.

**STATUS:** Inter-agency coordination began in 2013. Updated draft Environmental Assessment documents submitted to FAA in September 2020.

<b>POTENTIAL FUNDING SOURCE:</b>											
<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 2020	CURRENT YEAR 2021	BUDGET YEAR 2022	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
						...2023...	...2024...	...2025...	...2026...		
Planning	2,792	2,273	87	519	0	0	0	0	0	519	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
<b>Total</b>	<b>2,795</b>	<b>2,276</b>	<b>87</b>	<b>519</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>519</b>	<b>0</b>
Federal-Aid	310	310	52	0	0	0	0	0	0	0	0
Special	2,485	1,966	35	519	0	0	0	0	0	519	0
Other										0	

2010, 2011, 2012

**SIGNIFICANT CHANGE FROM FY 2020 - 25 CTP:** Anticipated project completion is now mid to late calendar year 2021.

**USAGE:**

**OPERATING COST IMPACT:**



**PROJECT:** Environmental Assessment at BWI Marshall Airport

**DESCRIPTION:** This project provides for the study necessary for the environmental assessment of Phase 1 capital projects shown on the Airport Layout Plan (ALP) approved by the FAA in November 2014.

**PURPOSE & NEED SUMMARY STATEMENT:** In accordance with Federal Aviation Administration Order 5050.4B, Airport Environmental Handbook, MAA must determine the environmental consequences of capital project development as proposed by the Airport Layout Plan.

**SMART GROWTH STATUS:** ☐ Project Not Location Specific ☐ Not Subject to PFA Law  
☒ Project Inside PFA ☐ Grandfathered  
☐ Project Outside PFA ☐ Exception Will Be Required  
☐ PFA Status Yet to Be Determined ☐ Exception Granted

**ASSOCIATED IMPROVEMENTS:**

None.

**STATUS:** Environmental Assessment began Summer 2016. FAA issued Finding of No Significant Impact/Record of Decision (FONSI/ROD) received November 2020.

**POTENTIAL FUNDING SOURCE:**

☒ SPECIAL ☐ FEDERAL ☐ GENERAL ☐ OTHER

PHASE	TOTAL		PREVIOUS YEAR 2020	CURRENT YEAR 2021	BUDGET YEAR 2022	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
	ESTIMATED	EXPENDED				...2023...	...2024...	...2025...	...2026...		
	COST	THRU									
	(\$000)	CLOSE YEAR									
Planning	3,764	3,058	293	706	0	0	0	0	0	706	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	0	0	0	0	0	0	0	0	0	0	0
Total	3,764	3,058	293	706	0	0	0	0	0	706	0
Federal-Aid	135	135	135	0	0	0	0	0	0	0	0
Special	3,629	2,923	158	706	0	0	0	0	0	706	0
Other										0	

**SIGNIFICANT CHANGE FROM FY 2020 - 25 CTP:** Public notice and final documentation issued by FAA in November 2020.

**USAGE:**

**OPERATING COST IMPACT:**

**SYSTEM PRESERVATION MINOR PROJECTS PROGRAM**  
(Dollars in Thousands)

**MARYLAND AVIATION ADMINISTRATION - LINE 17**

PROJECT ID	PROJECT NAME	TOTAL PROGRAMMED COST		STATUS
<b><u>Annual Fees and Inspection Program</u></b>				
MAA1023	Bridge Inspection (SHA Consultant)	\$	1,655	Ongoing
MAA2017	Utility Designating	\$	409	Ongoing
<b><u>Building Permits &amp; Inspections</u></b>				
MAAPRJ000164	Building Permits and Inspections	\$	254	Ongoing
<b><u>Consolidated Rental Car Facility</u></b>				
MAA2130	CRCF Security Improvements	\$	1,066	Underway
MAA2132	CRCF - BMF Equipment Replacement	\$	1,375	Underway
MAA2133	CRCF - BMF Bus Wash Replacement	\$	0	Underway
MAA2134	CRCF - CSB Front Lane Pvm Concrete Rebuild	\$	179	Completed
MAA2135	CRCF - CSB Bus Entry Gate Replacement	\$	-	Completed
MAA2136	CRCF - Facility Re-evaluation BMF and CSB	\$	122	Completed
<b><u>Critical Technology</u></b>				
1456	IT Equipment	\$	13,509	Ongoing
MAA2199	Terminal Electronic Wayfinding Signage Ph 1-3	\$	3,595	Under Construction
MAAPRJ000166	IT Equipment	\$	6,000	Ongoing
<b><u>D/E Connector</u></b>				
MAA9711	D/E Connector Sterle Corridor Security Doors	\$	449	Under Construction
<b><u>Elevators, Escalators, and Walkways</u></b>				
MAA2351	FAA ATCT Elevator Replacement	\$	837	Under Construction
<b><u>Environmental Compliance</u></b>				
MAA8106	Terminal Environmental Mitigation MC16-012	\$	572	Ongoing

# SYSTEM PRESERVATION MINOR PROJECTS PROGRAM

(Dollars in Thousands)

## MARYLAND AVIATION ADMINISTRATION - LINE 17

PROJECT ID	PROJECT NAME	TOTAL PROGRAMMED COST	STATUS
<b>Environmental Planning</b>			
MAA1948	Stream & Wetland Restoration Mitigation Services MC 15-013	\$ 493	Completed
MAA2088	Wildlife Management Services	\$ 841	Ongoing
MAAPRJ000198	Environmental Permitting	\$ 23	Ongoing
<b>Future Development</b>			
MAA2044	Airport Road Electronic Signage Repl - Design Only	\$ 649	Deferred
MAA2220	ALSF-2 Shelter Relocation	\$ 4,114	Design Underway
MAA2334	MAA/ARFF Training Facility	\$ 192	Concepts Underway
MAA2336	BWI Fuel Storage Tank Additions	\$ 487	Design Underway
MAA2343	Concourse D Summer Boilers - DE only	\$ 2	Design Underway
MAA2344	Midfield Fuel Farm Improvements - DE only	\$ 31	Design Underway
MAA2345	MTN AOA Fence Upgrade - DE only	\$ 53	Design Underway
MAA2347	Cell Phone Charging Power Supply - Design Only	\$ 9	Design Underway
MAA2348	Cargo Building H - Design Only	\$ 66	Design Underway
MAA2349	Red Column Tile Repair - Design Only	\$ 231	Design Underway
MAA2350	Glycol Dump Relocation - Design Only	\$ 192	Design Underway
MAA2352	BWI AOA Fence Upgrade - Design Only	\$ 67	Design Underway
MAA2354	Concourse D/E Ambiance - Design Only	\$ 7	Design Underway
MAA7775	ARFF Airfield Access Road	\$ 165	Study Underway
MAA9588	Conc AB Enabling - LL Road Improvements	\$ 550	Design Underway
MAAPRJ000154	Terminal Upper Level Crosswalk Phase 2 - Design Only	\$ 60	Study Underway
MAAPRJ000155	Long Term Lot B Pavement Rehab - Design Only	\$ 113	Study Underway
MAAPRJ000170	BGE Airport Feeder and Substation Upgrades	\$ 976	Study Underway
MAAPRJ000171	Security Overlooks	\$ 9	Study Underway
MAAPRJ000172	Human Resources Interview Room - DE Only	\$ 1	Study Underway
MAAPRJ000173	Building 137 Restroom Renovation - DE Only	\$ 1	Study Underway
MAAPRJ000174	Terminal Flooring - DE Only	\$ 24	Study Underway
MAAPRJ000175	SCADA - DE Only	\$ 4	Study Underway
MAAPRJ000176	TSA Checkpoints BC and DE Sun Glare Study - DE Only	\$ 35	Study Underway
<b>GIS</b>			
MAA2040	Airport Project Administration System (AirPass)	\$ 3,496	Ongoing

# SYSTEM PRESERVATION MINOR PROJECTS PROGRAM

(Dollars in Thousands)

## MARYLAND AVIATION ADMINISTRATION - LINE 17

PROJECT ID	PROJECT NAME	TOTAL PROGRAMMED COST	STATUS
<b><u>GIS</u></b>			
MAA2079	Security and Life Safety Systems CAD Update	\$ 894	Ongoing
MAA2085	Prof Services GIS, SUE and Eng Data Part I - SV 17-003	\$ 1,892	Ongoing
MAA2086	Prof Services GIS, SUE and Eng Data Part II - SV17-014	\$ 364	Ongoing
MAA2222	MDOT Asset Management	\$ 529	Underway
MAA7600	Facility Management Program	\$ 1,617	Ongoing
<b><u>MTN Facilities</u></b>			
MAA2332	MTN Snow Equip Storage Building	\$ 2,442	Under Construction
MAAPRJ000213	MTN Hangar Storm Damage Repair	\$ 1,390	Design Underway
MAAPRJ000216	MTN EQ - ATCT Radio Replacements	\$ 112	Design Underway
<b><u>Noise Support</u></b>			
MAA2306	MTN Airport Noise Zone	\$ 208	Concepts Underway
MAA2307	BWI Part 150 / Airport Noise Zone Update	\$ 1,950	Concepts Underway
MAA2309	BWI Community Roundtable	\$ 327	Underway
<b><u>Operating Facilities</u></b>			
MAA1931	Hrly Garage Parking Guidance System Upgrade - Design Only	\$ 3,933	Design Underway
MAA2211	RTR Relocation	\$ 6,302	Design Underway
MAA2226	BWI Erosion - Non Movement Area	\$ 959	Completed
MAA2227	BWI Erosion - Movement Area	\$ 1,346	Completed
MAA2333	Hourly Garage Storm Water Pump Station Repl	\$ 2,224	Under Construction
MAA2342	Hourly Garage Level 6 Pedestrian Ramp Repair	\$ 372	Underway
<b><u>Pavement Mgmt - BWI Airside</u></b>			
MAA2356	Taxiway T2 Connector (TW F Reloc EB75)	\$ 8,729	Under Construction
MAA2357	Taxiway T Electrical Replacement	\$ 602	Completed
MAAPRJ000177	Runway 15R-33L Pavement Rehab	\$ 1,980	Under Construction

**SYSTEM PRESERVATION MINOR PROJECTS PROGRAM**  
(Dollars in Thousands)

**MARYLAND AVIATION ADMINISTRATION - LINE 17**

PROJECT ID	PROJECT NAME	TOTAL PROGRAMMED COST		STATUS
<b><u>Pavement Mgmt -BWI Landside</u></b>				
MAA2330	LL Roadway Curbside & Column Marking	\$	116	Underway
MAA2338	ARFF Road Rehabilitation	\$	1,054	Completed
MAA2341	Employee Parking Lot Sidewalk Repair	\$	153	Underway
MAA2353	Long Term Parking Lot A Culvert Rplmt	\$	1,758	Under Construction
<b><u>Planning</u></b>				
1486	Comprehensive Regional Air Passenger Survey	\$	788	FY 2023
MAA2216	C/D Connector Study	\$	1,437	Concepts Underway
MAAPRJ000181	MD Aviation System Plan Update	\$	337	Underway
<b><u>Pre-Construction Project Env, Plan, Eng</u></b>				
MAA1943	Pavement Management BWI/MTN AE13-001	\$	2,752	Ongoing
<b><u>Protective Land Acquisition</u></b>				
MAA1137	Protective Land Acquisition	\$	13,938	Underway
<b><u>Real Estate Services</u></b>				
MAA7810	10-01 RPZ Property Acquisition	\$	560	Underway
<b><u>Security</u></b>				
MAA2028	Concourse A/B Anti-Backflow Improvments	\$	863	Completed
<b><u>Terminal Facilities</u></b>				
MAA1939	BWI New Air Traffic Control Tower	\$	1,898	Concepts Underway
MAA2329	D/E Concourse Patio & Storage Room Impv	\$	827	Under Construction
MAA2335	Concourse E Existing Gate Transition Buildings	\$	3,257	Completed
MAA2355	Concourse D/E Transition Ramp	\$	105	Under Construction
MAA9595	Conc A/B Enabling - Mezzanine Renov	\$	4,406	Completed

**SYSTEM PRESERVATION MINOR PROJECTS PROGRAM***(Dollars in Thousands)***MARYLAND AVIATION ADMINISTRATION - LINE 17**

PROJECT ID	PROJECT NAME	TOTAL PROGRAMMED COST		STATUS
<b><u>Terminal Facilities</u></b>				
MAA9596	Terminal AB 737-800 Modifications	\$	3,158	Completed
MAAPRJ000159	Concourse A Enabling Chilled Water Pipe Mod	\$	490	Completed
MAAPRJ000215	BGE Ph 1 - S Substation Transformer T1 Repl	\$	2,000	Design Underway
<b><u>Vehicles and Equipment</u></b>				
MAA2067	Snow Equip Repl - Tandum Dump #9834	\$	156	Completed
MAA2198	BWI Mobile Lounge Refurbishment	\$	1,805	Underway
MAA2202	MTN Equip Repl - Tug	\$	-	Completed
MAA2205	ARFF Silver Gear Replacement	\$	-	Study Underway
MAA2224	MTN Equipment Replacement FY 2020	\$	656	Underway
MAA2225	BWI Equip Replacement FY 2020	\$	1,846	Underway
MAA2230	BWI Equip Replacement FY 2021	\$	1,871	Underway
MAA2231	MTN Equipment Replacement FY 2021	\$	759	Underway
MAA2232	AED Defibulators Replacement	\$	288	Underway
MAAPRJ000160	BWI Equipment - Runway Surface Friction Tester	\$	184	Underway
MAAPRJ000178	BWI Equipment Replacement - FY2022	\$	1,948	FY 2022
MAAPRJ000179	MTN Equipment Replacement - FY2022	\$	833	FY 2022