

**MDOT** MARYLAND DEPARTMENT OF TRANSPORTATION  

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MARYLAND AVIATION ADMINISTRATION

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

	<u>Fiscal 2021</u>	<u>Fiscal 2022</u>	<u>Fiscal 2023</u>	<u>Fiscal 2024</u>	<u>Fiscal 2025</u>	<u>Fiscal 2026</u>	<u>SIX - YEAR TOTAL</u>
<b><u>Construction Program</u></b>							
Major Projects	93.5	73.2	53.5	1.7	4.1	1.8	227.8
System Preservation Minor Projects	40.1	15.9	13.0	13.8	11.5	25.1	119.4
<b><u>Development &amp; Evaluation Program</u></b>	1.2	2.7	0.4	-	-	-	4.3
<b>SUBTOTAL</b>	134.8	91.8	66.9	15.5	15.6	26.9	351.5
<b><u>Capital Salaries, Wages &amp; Other Costs</u></b>	6.5	6.5	6.5	7.0	7.0	-	33.5
<b>TOTAL</b>	141.3	98.3	73.4	22.5	22.6	26.9	385.0
Special Funds	44.1	21.8	21.6	18.5	18.6	22.9	147.5
Federal Funds	14.3	17.2	13.2	4.0	4.0	4.0	56.7
Other Funds	82.8	59.3	38.7	0.0	-	-	180.8

\* 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.

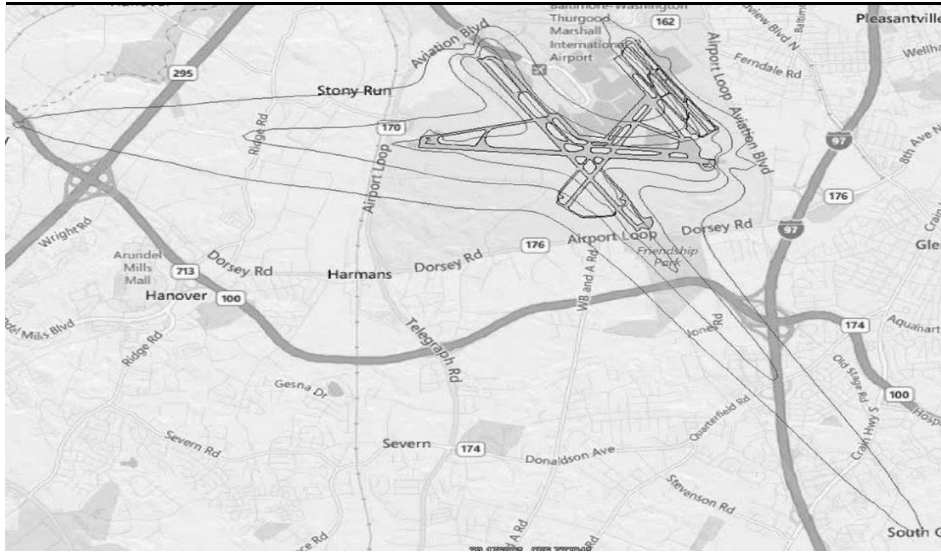
**POTENTIAL FUNDING SOURCE:**

☒ 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	0	0	0	0	0	0	0	0	0	0	0
Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	72,068	61,168	2,405	2,350	1,650	1,650	1,650	1,800	1,800	10,900	0
<b>Total</b>	<b>72,068</b>	<b>61,168</b>	<b>2,405</b>	<b>2,350</b>	<b>1,650</b>	<b>1,650</b>	<b>1,650</b>	<b>1,800</b>	<b>1,800</b>	<b>10,900</b>	<b>0</b>
Federal-Aid										0	
Special	72,068	61,168	2,405	2,350	1,650	1,650	1,650	1,800	1,800	10,900	0
Other										0	

**SIGNIFICANT CHANGE FROM FY 2020 - 25 CTP:** 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 standards. 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 their homes or if elected property acquisition.

**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:** Five year program manager contract awarded January 2020. Federal funds to be requested from the AIP Noise and Environmental Set Aside.

**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	0	0	1,127	1,127	1,127	0	0	0	3,381	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>0</b>	<b>0</b>	<b>11,459</b>	<b>11,460</b>	<b>11,460</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>34,379</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	0	0	2,291	2,293	2,293	0	0	0	6,877	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 September 2020.

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	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	14,224	12,521	0	0	0	0	0	12,521	0
<b>Total</b>	<b>37,348</b>	<b>24,827</b>	<b>14,224</b>	<b>12,521</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>12,521</b>	<b>0</b>
Federal-Aid										0	
Special	116	95	95	21	0	0	0	0	0	21	0
Other	37,232	24,732	14,129	12,500	0	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 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:** Open to use.

**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	83	83	0	0	0	0	0	0	0	0	0
Engineering	850	850	382	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	18,685	16,887	16,887	1,798	0	0	0	0	0	1,798	0
<b>Total</b>	<b>19,618</b>	<b>17,820</b>	<b>17,269</b>	<b>1,798</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,798</b>	<b>0</b>
Federal-Aid	10,099	10,099	10,099	0	0	0	0	0	0	0	0
Special	9,519	7,721	7,170	1,798	0	0	0	0	0	1,798	0
Other										0	

**SIGNIFICANT CHANGE FROM FY 2020 - 25 CTP:** Cost decrease of \$8.9 million due to removal of PFC funding for deicing system expansion.

**USAGE:** Accommodate expanded cargo operations.

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



**PROJECT:** Concourse A Improvements Phase 2

**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:** Construction underway with August 2020 completion. 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	15	15	0	0	0	0	0	0	0	0	0
Engineering	7,752	7,367	1,546	385	0	0	0	0	0	385	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	59,349	53,849	50,277	5,500	0	0	0	0	0	5,500	0
<b>Total</b>	<b>67,116</b>	<b>61,231</b>	<b>51,823</b>	<b>5,885</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5,885</b>	<b>0</b>
Federal-Aid	1,771	1,771	1,771	0	0	0	0	0	0	0	0
Special	9,042	8,658	(192)	384	0	0	0	0	0	384	0
Other	56,303	50,802	50,244	5,501	0	0	0	0	0	5,501	0

**SIGNIFICANT CHANGE FROM FY 2020 - 25 CTP:** Cost increase of \$1 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 and revenue bonds supported by PFC.



**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  
☐ Project Outside PFA  
☐ PFA Status Yet to Be Determined

☐ Grandfathered  
☐ Exception Will Be Required  
☐ Exception Granted

**ASSOCIATED IMPROVEMENTS:**  
 None.

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

<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.

**STATUS:** Project under advertisement. 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	2,212	772	443	745	695	0	0	0	0	1,440	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	17,366	0	0	8,684	8,682	0	0	0	0	17,366	0
<b>Total</b>	<b>19,578</b>	<b>772</b>	<b>443</b>	<b>9,429</b>	<b>9,377</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>18,806</b>	<b>0</b>
Federal-Aid										0	
Special	5,118	403	141	2,382	2,333	0	0	0	0	4,715	0
Other	14,460	369	302	7,047	7,044	0	0	0	0	14,091	0

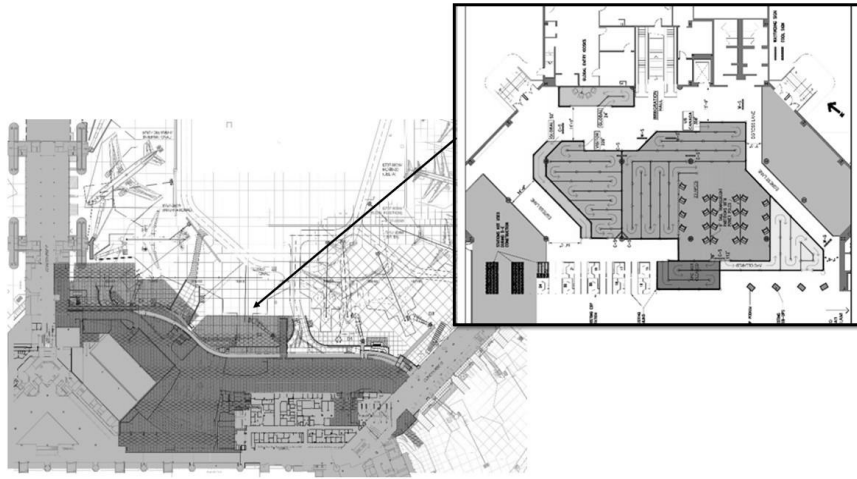
**SIGNIFICANT CHANGE FROM FY 2020 - 25 CTP:**  
 None.

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

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

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

**ASSOCIATED IMPROVEMENTS:**  
None.

**STATUS:** State and Other funding deferred due to reduced revenues from COVID-19 pandemic. MDOT will be re-evaluating all deferrals for opportunities to restore funding in the Final CTP as additional information becomes available on revenues and potential federal infrastructure support. Planning concept update study completed to 75% prior to COVID-19.

**POTENTIAL FUNDING SOURCE:**

☒ SPECIAL ☐ FEDERAL ☐ GENERAL ☒ OTHER

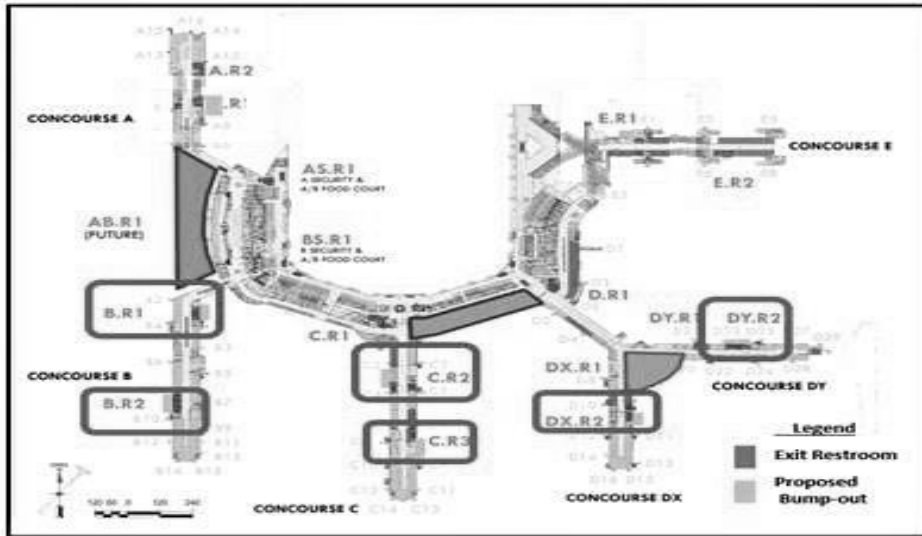
PHASE	TOTAL		PREVIOUS YEAR 2020	CURRENT YEAR 2021	BUDGET YEAR 2022	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
	ESTIMATED COST (\$000)	EXPENDED THRU CLOSE YEAR				...2023...	...2024...	...2025...	...2026...		
Planning	0	0	0	0	0	0	0	0	0	0	0
Engineering	1,200	600	600	550	50	0	0	0	0	600	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	55	55	4,373	4,372	0	0	0	0	8,745	0
<b>Total</b>	<b>10,000</b>	<b>655</b>	<b>655</b>	<b>4,923</b>	<b>4,422</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>9,345</b>	<b>0</b>
Federal-Aid										0	
Special	220	55	55	83	82	0	0	0	0	165	0
Other	9,780	600	600	4,840	4,340	0	0	0	0	9,180	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	<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:**  
None.

**STATUS:** Design underway with project to advertise late 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	5,764	1,580	1,134	1,637	1,587	960	0	0	0	4,184	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	58,651	104	24	21,182	21,182	16,182	0	0	0	58,546	0
<b>Total</b>	<b>64,415</b>	<b>1,684</b>	<b>1,158</b>	<b>22,819</b>	<b>22,769</b>	<b>17,142</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>62,730</b>	<b>0</b>
Federal-Aid										0	
Special	521	521	0	0	0	0	0	0	0	0	0
Other	63,894	1,163	1,158	22,819	22,769	17,142	0	0	0	62,731	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:**  
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:** 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:** Design complete.

**POTENTIAL FUNDING SOURCE:**

☒ SPECIAL ☐ FEDERAL ☐ GENERAL ☒ OTHER

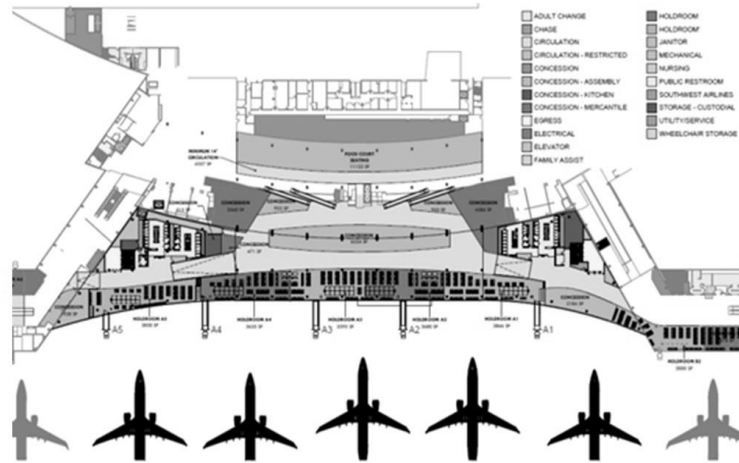
PHASE	TOTAL		PREVIOUS YEAR 2020	CURRENT YEAR 2021	BUDGET YEAR 2022	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
	ESTIMATED COST (\$000)	EXPENDED THRU CLOSE YEAR				...2023...	...2024...	...2025...	...2026...		
Planning	0	0	0	0	0	0	0	0	0	0	0
Engineering	1,157	1,157	1,117	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	63,165	165	125	21,865	21,865	19,270	0	0	0	63,000	0
<b>Total</b>	<b>64,322</b>	<b>1,322</b>	<b>1,242</b>	<b>21,865</b>	<b>21,865</b>	<b>19,270</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>63,000</b>	<b>0</b>
Federal-Aid										0	
Special	1,322	1,322	1,242	0	0	0	0	0	0	0	0
Other	63,000	0	0	21,865	21,865	19,270	0	0	0	63,000	0

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

**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 in the lower level and a connector between the concourses on the upper level. 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 13 - Concourse A/B Enabling - Central Utility Plant Upgrades.

**STATUS:** Other funding deferred due to reduced revenues from COVID-19 pandemic. MDOT will be re-evaluating all deferrals for opportunities to restore funding in the Final CTP as additional information becomes available on revenues and potential federal infrastructure support.

**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	16,019	16,019	15,999	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	2	2	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>16,021</b>	<b>16,021</b>	<b>15,999</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	0	0	0	0	0	0	0	0	0	0	0
Special	16,021	16,021	15,999	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0

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

**SIGNIFICANT CHANGE FROM FY 2020 - 25 CTP:** Project moved to Development & Evaluation Program from Construction Program. Cost decrease of \$495.2 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.

**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 12 - Concourse A/B Connector and Baggage Handling System.

**STATUS:** State funding deferred due to reduced revenues from COVID-19 pandemic. MDOT will be re-evaluating all deferrals for opportunities to restore funding in the Final CTP as additional information becomes available on revenues and potential federal infrastructure support.

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	71	71	71	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>71</b>	<b>71</b>	<b>71</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										0	
Special	71	71	71	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:** Environmental assessment resumed with modified scope and targeted completion is now early 2021.

<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	2,857	2,357	168	500	0	0	0	0	0	500	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
<b>Total</b>	<b>2,857</b>	<b>2,357</b>	<b>168</b>	<b>500</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>500</b>	<b>0</b>
Federal-Aid	258	258	0	0	0	0	0	0	0	0	0
Special	2,599	2,099	168	500	0	0	0	0	0	500	0
Other										0	

2010, 2011, 2012

**SIGNIFICANT CHANGE FROM FY 2020 - 25 CTP:** Schedule extending to beginning of calendar year 2021 to align with revised FAA schedule.

**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 with estimated completion December 2020.

<b>POTENTIAL FUNDING SOURCE:</b>											
	<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	3,772	3,079	314	693	0	0	0	0	0	693	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
<b>Total</b>	<b>3,772</b>	<b>3,079</b>	<b>314</b>	<b>693</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>693</b>	<b>0</b>
Federal-Aid										0	
Special	3,772	3,079	314	693	0	0	0	0	0	693	0
Other										0	

**SIGNIFICANT CHANGE FROM FY 2020 - 25 CTP:** Schedule extending to end of calendar year 2020 to comply with revised FAA requirements.

**USAGE:**

**OPERATING COST IMPACT:**



**PROJECT:** Taxiway F Relocation Design

**DESCRIPTION:** This project will reconstruct, in concrete, the 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.

**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:** Federal and State funding deferred due to reduced revenues from COVID-19 pandemic. MDOT will be re-evaluating all deferrals for opportunities to restore funding in the Final CTP as additional information becomes available on revenues and potential federal infrastructure support.

**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	3,897	802	633	0	2,650	445	0	0	0	3,095	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>3,897</b>	<b>802</b>	<b>633</b>	<b>0</b>	<b>2,650</b>	<b>445</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,095</b>	<b>0</b>
Federal-Aid	2,321	0	0	0	2,321	0	0	0	0	2,321	0
Special	1,576	802	633	0	329	445	0	0	0	774	0
Other										0	

**SIGNIFICANT CHANGE FROM FY 2020 - 25 CTP:** Fiscal year 2020 federal funding of \$1.8 million shifted to construction ready projects. Future fiscal year 2022 increased by \$2.3 million for anticipated grant.

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

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



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

**MARYLAND AVIATION ADMINISTRATION - LINE 15**

PROJECT ID	PROJECT NAME	TOTAL PROGRAMMED COST		STATUS
<b><u>Annual Fees and Inspection Program</u></b>				
MAA1023	Bridge Inspection (SHA Consultant)	\$	1,875	Ongoing
MAA2017	Utility Designating	\$	854	Ongoing
<b><u>Building Permits &amp; Inspections</u></b>				
1390	Building Permits and Inspections	\$	2,092	Completed
<b><u>Consolidated Rental Car Facility</u></b>				
MAA2130	CRCF Security Improvements	\$	1,042	Underway
MAA2132	CRCF - BMF Equipment Replacement	\$	1,116	Underway
MAA2133	CRCF - BMF Bus Wash Replacement	\$	1,803	Underway
MAA2134	CRCF - CSB Front Lane Pvm Concrete Rebuild	\$	183	Completed
MAA2135	CRCF - CSB Bus Entry Gate Replacement	\$	-	Completed
MAA2136	CRCF - Facility Re-evaluation BMF and CSB	\$	127	Completed
<b><u>Critical Technology</u></b>				
1456	IT Equipment	\$	12,819	Completed
MAA1456	IT Systems Design Services	\$	-	Ongoing
MAA2199	Terminal Electronic Wayfinding Signage Ph 1-3	\$	3,595	Under Construction
<b><u>D/E Connector</u></b>				
MAA9711	D/E Connector Sterle Corridor Security Doors	\$	534	Under Construction
<b><u>Elevators, Escalators, and Walkways</u></b>				
MAA2351	FAA ATCT Elevator Replacement	\$	816	Under Construction
<b><u>Environmental Compliance</u></b>				
MAA8106	Terminal Environmental Mitigation MC16-012	\$	565	Ongoing

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

**MARYLAND AVIATION ADMINISTRATION - LINE 15**

PROJECT ID	PROJECT NAME	TOTAL PROGRAMMED COST		STATUS
<b>Environmental Planning</b>				
MAA1948	Stream & Wetland Restoration Mitigation Services MC 15-013	\$	1,238	Ongoing
MAA2078	Wildlife Management Services 16-003	\$	1,164	Completed
MAA2190	Environmental Permitting	\$	50	Underway
<b>Future Development</b>				
MAA2196	Airfield Lighting Vault Relocation	\$	8,241	Design Underway
MAA2220	ALSF-2 Shelter Relocation	\$	4,114	Design Underway
MAA2334	MAA/ARFF Training Facility	\$	192	Concepts Underway
MAA2336	BWI Fuel Storage Tank Additions	\$	125	Design Underway
MAA2343	Concourse D Summer Boilers - DE only	\$	1	Design Underway
MAA2344	Midfield Fuel Farm Improvements - DE only	\$	31	Design Underway
MAA2345	MTN AOA Fence Upgrade - DE only	\$	49	Design Underway
MAA2346	Cargo Bldg E Supplemental Electric - Design Only	\$	113	Design Underway
MAA2347	Cell Phone Charging Power Supply - Design Only	\$	9	Design Underway
MAA2348	Cargo Building H - Design Only	\$	31	Design Underway
MAA2349	Red Column Tile Repair - Design Only	\$	229	Design Underway
MAA2350	Glycol Dump Relocation - Design Only	\$	135	Design Underway
MAA2352	BWI AOA Fence Upgrade - Design Only	\$	65	Design Underway
MAA2354	Concourse D/E Ambiance - Design Only	\$	3	Design Underway
MAA7775	ARFF Airfield Access Road	\$	165	Study Underway
MAAPRJ000153	BWI Courtesy Phones ADA Issue	\$	85	Study Underway
MAAPRJ000154	Terminal Upper Level Crosswalk Phase 2 - Design Only	\$	29	Study Underway
MAAPRJ000155	Long Term Lot B Pavement Rehab - Design Only	\$	90	Study Underway
MAAPRJ000170	BGE Airport Feeder and Substation Upgrades	\$	539	Study Underway
MAAPRJ000171	Security Overlooks	\$	8	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	\$	19	Study Underway
MAAPRJ000175	SCADA - DE Only	\$	3	Study Underway
MAAPRJ000176	TSA Checkpoints BC and DE Sun Glare Study - DE Only	\$	1	Study Underway

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

**MARYLAND AVIATION ADMINISTRATION - LINE 15**

PROJECT ID	PROJECT NAME	TOTAL PROGRAMMED COST		STATUS
<b><u>GIS</u></b>				
MAA2040	Airport Project Administration System (AirPass)	\$	3,353	Ongoing
MAA2079	Security and Life Safety Systems CAD Update	\$	1,876	Ongoing
MAA2085	Prof Services GIS, SUE and Eng Data Part I - SV 17-003	\$	3,148	Ongoing
MAA2086	Prof Services GIS, SUE and Eng Data Part II - SV17-014	\$	1,047	Ongoing
MAA2222	MDOT Asset Management	\$	644	Underway
MAA7600	Facility Management Program	\$	1,853	Ongoing
<b><u>Loading Bridges</u></b>				
MAA2337	PBB Electrification Modifications	\$	475	Completed
<b><u>Misc Office Support</u></b>				
MAA2311	Safety Management Support	\$	200	Ongoing
<b><u>MTN Facilities</u></b>				
MAA2332	MTN Snow Equip Storage Building	\$	2,397	Under Construction
<b><u>Noise Support</u></b>				
MAA2306	MTN Airport Noise Zone	\$	173	Concepts Underway
MAA2307	BWI Part 150 / Airport Noise Zone Update	\$	1,950	Concepts Underway
MAA2309	BWI Community Roundtable	\$	302	Underway
<b><u>Operating Facilities</u></b>				
MAA1931	Hrly Garage Parking Guidance System Upgrade - Design Only	\$	3,933	FY 2023
MAA2044	Airport Road Electronic Signage Repl - Design Only	\$	651	Deferred
MAA2211	RTR Relocation	\$	2,977	Design Underway
MAA2226	BWI Erosion - Non Movement Area	\$	959	Completed
MAA2227	BWI Erosion - Movement Area	\$	1,375	Completed
MAA2333	Hourly Garage Storm Water Pump Station Repl	\$	2,126	Under Construction
MAA2342	Hourly Garage Level 6 Pedestrian Ramp Repair	\$	492	Underway

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

**MARYLAND AVIATION ADMINISTRATION - LINE 15**

PROJECT ID	PROJECT NAME	TOTAL PROGRAMMED COST	STATUS
<b><u>Pavement Mgmt - BWI Airside</u></b>			
MAA2204	Taxiway T Reconstruction	\$ 13,034	Under Construction
MAA2328	ARFF Road Reconstruction	\$ 3	Completed
MAA2339	BWI Taxiway T Pavement Repair	\$ 332	Completed
MAA2356	Taxiway T2 Connector (TW F Reloc EB75)	\$ 4,271	Under Construction
MAA2357	Taxiway T Electrical Replacement	\$ 639	Completed
MAAPRJ000177	Runway 15R-33L Pavement Rehab	\$ 1,790	Under Construction
<b><u>Pavement Mgmt -BWI Landside</u></b>			
MAA2330	LL Roadway Curbside & Column Marking	\$ 124	Underway
MAA2338	ARFF Road Rehabilitation	\$ 1,054	Completed
MAA2341	Employee Parking Lot Sidewalk Repair	\$ 154	Underway
MAA2353	Long Term Parking Lot A Culvert Rplmt	\$ 1,718	Under Construction
MAA9588	Conc AB Enabling - LL Road Improvements	\$ 2,097	Design Underway
<b><u>Planning</u></b>			
1486	Comprehensive Regional Air Passenger Survey	\$ 788	Completed
MAA2216	C/D Connector Study	\$ 1,403	Concepts Underway
MAAPRJ000167	Regional Air Passenger Survey	\$ 100	Ongoing
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	\$ 3,645	Ongoing
<b><u>Protective Land Acquisition</u></b>			
MAA1137	Protective Land Acquisition	\$ 13,958	Underway
<b><u>Real Estate Services</u></b>			
MAA7810	10-01 RPZ Property Acquisition	\$ 560	Underway

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<b><u>Security</u></b>			
MAA2028	Concourse A/B Anti-Backflow Improvments	\$ 863	Completed
<b><u>Tenant Facilities</u></b>			
MAA2228	USO Lounge Renovation	\$ 292	Under Construction
<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	\$ 805	Under Construction
MAA2335	Concourse E Existing Gate Transition Buildings	\$ 2,985	Under Construction
MAA2355	Concourse D/E Transition Ramp	\$ 94	Under Construction
MAA9595	Conc A/B Enabling - Mezzanine Renov	\$ 4,371	Completed
MAA9596	Terminal AB 737-800 Modifications	\$ 3,416	Under Construction
MAAPRJ000159	Concourse A Enabling Chilled Water Pipe Mod	\$ 490	Completed
<b><u>Vehicles and Equipment</u></b>			
MAA2002	Snow Equip Repl - Dump Trucks (2) #9937 / #9936	\$ 111	Completed
MAA2067	Snow Equip Repl - Tandum Dump #9834	\$ 156	Underway
MAA2096	Snow Equip Repl - Rotary Plow #30097	\$ 701	Completed
MAA2098	Snow Equip Repl - De-Icing Truck #30166	\$ 334	Completed
MAA2099	MTN Snow Equip - Snow Melters New (2)	\$ 11	Completed
MAA2105	Snow Equip - Snow Grooming Vehicle New	\$ 291	Completed
MAA2126	Glycol Recovery Vehicles - Replacement (3)	\$ 1,121	Completed
MAA2198	BWI Mobile Lounge Refurbishment	\$ 1,735	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	\$ 1,848	Underway
MAA2229	New Equip - Stripe Hog Waterblaster	\$ 551	Completed
MAA2232	AED Defibulators Replacement	\$ 288	Design Underway
MAAPRJ000160	BWI Equipment - Runway Surface Friction Tester	\$ 184	Underway