



# **AVIATION FACILITIES**

# Aviation Facilities

## **Planned CIP**

Planned appropriations for the Fiscal Year 2023-2027 Proposed Capital Improvement Plan are projected to reach \$2.3 billion. The George Bush Intercontinental Airport (IAH) Domestic Redevelopment Program dominates the five-year CIP representing 58%; Airfield projects represent 24%; while infrastructure projects represent 14%; Central Utility Plant (CUP) 2.5%; and the IAH International Terminal Redevelopment Program (ITRP) represents 1.2% of the five-year CIP planned appropriations.

Planning activity levels are being monitored at IAH and William P. Hobby Airport (HOU) to determine the timing and need for the projects identified in the Master Plans.

## **Major CIP Projects**

The IAH Master Plan recommended installation of more aircraft gates, and improved terminal facilities designed to improve the passenger experience. As a result, the major IAH terminal project scheduled in the five-year CIP is ITRP which redevelops the International Terminal D with more gates to handle the large wide body aircraft and consolidates international check in processes in a new facility.

The Domestic Redevelopment Program includes Gated Expansions, a new consolidated security checkpoint. Early and Enabling projects associated with curbside capacity improvements which will correct the current level of service deficiencies at arrival and departure curbsides for both private and commercial vehicles. The plan also provides infrastructure for gate expansion.

Airfield projects at IAH include rehabilitation of Taxiway RA, RB, SA, SB; Rehabilitation and Expansion of ARFF Station 92, Airfield Electrical and RON Parking at Terminal A.

Other projects at IAH are Rehab Storm water pollution control system, Central Utility Plant Improvements, and construction of flyover bridge.

Projects planned at HOU include: Non-standard taxiways associated with Runway 17-35 decommissioning; and Expansion of ARFF Station 81, Sanitary sewer system and flooring in central concourse.

At Ellington Airport, the planned projects include: Spaceport development – associated utility infrastructure, roadways and environmental assessments and Construction of Taxiway L.

## **Funding for the Airport Facilities CIP**

The Fiscal Year 2023-2027 Airport Facilities CIP is being funded from various sources including the Airports Improvement Fund (AIF, Fund 8011), Grants-in-Aid from the FAA Airports Improvement Program (AIP Fund 8000), other transaction funds from Department of Homeland Security (DHS), Commercial Paper / General Airport Revenue Bonds (GARB), and Passenger Facility Charges (PFCs).

Project Allocation	Fiscal Year Planned Appropriations					2023-2027
	2023	2024	2025	2026	2027	
Planning	1,139					1,139
Acquisition-Land						
Design	18,595				5,959	24,554
Construction	580,052	276,661	612,092	233,700	507,207	2,209,712
Equipment Acquisition						
Salary Recovery						
Other	20,497	64,840	14,845		8,494	108,676
<b>Total Allocation</b>	<b>620,283</b>	<b>341,501</b>	<b>626,937</b>	<b>233,700</b>	<b>521,660</b>	<b>2,344,081</b>
<b>Source of Funds</b>						
8000 - HAS-Grants	164,876	54,420	181,568	40,160	111,402	552,426
8011 - HAS-Airports Improvement	113,304	112,584	59,779		69,993	355,660
OTHER	15,000	35,695	15,000	15,000	15,000	95,695
REV BONDS/CP	327,103	138,802	370,590	178,540	325,265	1,340,300
<b>Total Funds</b>	<b>620,283</b>	<b>341,501</b>	<b>626,937</b>	<b>233,700</b>	<b>521,660</b>	<b>2,344,081</b>

**AVIATION FACILITIES - Summary of Funds**  
**2023-2027 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

CIP No.	Project		Fiscal Year Planned Appropriations					2023-2027	
			2023	2024	2025	2026	2027		
<b>A-000422</b>	<b>Civic Art for Aviation-HAS</b>								
	8011 - HAS-Airports Improvement		244					244	
	<b>Project Total</b>		244					244	
<b>A-000423</b>	<b>Gen. Environmental Svc-Storm Water - HAS</b>								
	8011 - HAS-Airports Improvement		16,603					16,603	
	<b>Project Total</b>		16,603					16,603	
<b>A-000513</b>	<b>Airport Pavement Replacement</b>								
	8000 - HAS-Grants		763					763	
	8011 - HAS-Airports Improvement		11,372					11,372	
	REV BONDS/CP		4,500					4,500	
	<b>Project Total</b>		16,635					16,635	
<b>A-000515</b>	<b>Rehab Taxiway SA,SB &amp; RA - GBIAH</b>								
	8000 - HAS-Grants			52,500				52,500	
	REV BONDS/CP		11,131	49,682				60,813	
	<b>Project Total</b>		11,131	102,182				113,313	
<b>A-000527</b>	<b>Non-Standard FAA Taxiways at HOU</b>								
	8000 - HAS-Grants		12,000					12,000	
	REV BONDS/CP		29,057					29,057	
	<b>Project Total</b>		41,057					41,057	
<b>A-000558</b>	<b>Curb to Gate Passenger Processing Sys</b>								
	8011 - HAS-Airports Improvement			2,000	8,049			10,049	
	<b>Project Total</b>			2,000	8,049			10,049	

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**2023-2027 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

CIP No.	Project							2023-2027	
			2023	2024	2025	2026	2027		
<b>A-000574</b>	<b>Taxiway M Rehab</b>								
	8000 - HAS-Grants						12,000	12,000	
	REV BONDS/CP						6,563	6,563	
	<b>Project Total</b>						18,563	18,563	
<b>A-000581</b>	<b>Terminal A Modernization Program</b>								
	8000 - HAS-Grants			1,920	181,568	40,160	75,402	299,050	
	8011 - HAS-Airports Improvement			39,200	51,730		60,396	151,326	
	REV BONDS/CP		7,000	56,280	363,794	178,540	302,702	908,316	
	<b>Project Total</b>		7,000	97,400	597,092	218,700	438,500	1,358,692	
<b>A-000590</b>	<b>Rehabilitate and Expand ARFF Station-HAS</b>								
	8011 - HAS-Airports Improvement		1,076	1,439				2,515	
	OTHER			11,035				11,035	
	REV BONDS/CP		14,537					14,537	
	<b>Project Total</b>		15,613	12,474				28,087	
<b>A-000599</b>	<b>Internal Signage at IAH &amp; HOU</b>								
	8011 - HAS-Airports Improvement		784					784	
	<b>Project Total</b>		784					784	
<b>A-000600</b>	<b>Infrastructure Staff Augmentation - HAS</b>								
	8011 - HAS-Airports Improvement						7,694	7,694	
	<b>Project Total</b>						7,694	7,694	
<b>A-000610</b>	<b>Cell Phone Lots on JFK &amp; Will Clayton</b>								
	8011 - HAS-Airports Improvement		4,563					4,563	
	<b>Project Total</b>		4,563					4,563	

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**2023-2027 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

CIP No.	Project							2023-2027	
			2023	2024	2025	2026	2027		
<b>A-000611</b>	<b>PMO Shell Space Buildout for BSG</b>								
	8011 - HAS-Airports Improvement		943					943	
	<b>Project Total</b>		943					943	
<b>A-000621</b>	<b>Curb to Gate Passenger Processing Sys</b>								
	8011 - HAS-Airports Improvement						1,000	1,000	
	<b>Project Total</b>						1,000	1,000	
<b>A-000634</b>	<b>On Call Technology Contract</b>								
	REV BONDS/CP			15,000	6,796			21,796	
	<b>Project Total</b>			15,000	6,796			21,796	
<b>A-000665</b>	<b>PN 927 - Hobby Vehicle Fueling Station</b>								
	8011 - HAS-Airports Improvement						103	103	
	<b>Project Total</b>						103	103	
<b>A-000666</b>	<b>Gate Expansion at Hobby Airport</b>								
	8000 - HAS-Grants		94,350					94,350	
	REV BONDS/CP		135,650					135,650	
	<b>Project Total</b>		230,000					230,000	
<b>A-000668</b>	<b>Reconstruct Taxiway C - Hobby Airport</b>								
	8000 - HAS-Grants						24,000	24,000	
	REV BONDS/CP						16,000	16,000	
	<b>Project Total</b>						40,000	40,000	
<b>A-000669</b>	<b>IAH Flyover Bridge Reconstruction</b>								
	8011 - HAS-Airports Improvement		3,500					3,500	
	<b>Project Total</b>		3,500					3,500	

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**2023-2027 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

CIP No.	Project							2023-2027	
			2023	2024	2025	2026	2027		
<b>A-000671</b>	<b>Harden AOA Perimeters - HOU</b>								
	REV BONDS/CP		300	2,700				3,000	
	<b>Project Total</b>		300	2,700				3,000	
<b>A-000674</b>	<b>SIDA BOOTH IMPROVEMENTS - HOU</b>								
	8011 - HAS-Airports Improvement						800	800	
	<b>Project Total</b>						800	800	
<b>A-000685</b>	<b>PN 950 - HOU Sanitary Sewer System</b>								
	OTHER			9,660				9,660	
	REV BONDS/CP		1,000	3,140				4,140	
	<b>Project Total</b>		1,000	12,800				13,800	
<b>A-000687</b>	<b>PN 952 - IAH Airfield Electrical</b>								
	8000 - HAS-Grants		22,500					22,500	
	REV BONDS/CP		35,010					35,010	
	<b>Project Total</b>		57,510					57,510	
<b>A-000689</b>	<b>PN 707 - Const. of Taxiway LIMA - EFD</b>								
	8011 - HAS-Airports Improvement		58,850	58,850				117,700	
	<b>Project Total</b>		58,850	58,850				117,700	
<b>A-000690</b>	<b>PN 954 - Drainage Structure Repairs</b>								
	8000 - HAS-Grants		763					763	
	8011 - HAS-Airports Improvement		937					937	
	<b>Project Total</b>		1,700					1,700	
<b>A-000691</b>	<b>IAH - Central Utility Plant (CUP) Improv</b>								
	8000 - HAS-Grants		22,500					22,500	
	REV BONDS/CP		36,075					36,075	
	<b>Project Total</b>		58,575					58,575	

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CIP No.	Project							2023-2027	
			2023	2024	2025	2026	2027		
<b>A-000692</b>	<b>PN 956 - Hobby Domestic Water Resiliency</b>								
	8011 - HAS-Airports Improvement		100					100	
	<b>Project Total</b>		100					100	
<b>A-000693</b>	<b>PN 957-Central Concourse Tile Flooring</b>								
	REV BONDS/CP		4,260					4,260	
	<b>Project Total</b>		4,260					4,260	
<b>A-000694</b>	<b>PN-958 Digital Oculus &amp; Video Walls- IAH</b>								
	8011 - HAS-Airports Improvement		1,000	9,000				10,000	
	<b>Project Total</b>		1,000	9,000				10,000	
<b>A-000699</b>	<b>PN 963-FIDS/BIDS Upgrades</b>								
	8011 - HAS-Airports Improvement		2,130					2,130	
	<b>Project Total</b>		2,130					2,130	
<b>A-000700</b>	<b>PN 964-REPLACE RAMP POLE LIGHT W/LED FIX</b>								
	8011 - HAS-Airports Improvement		1,139					1,139	
	<b>Project Total</b>		1,139					1,139	
<b>A-000701</b>	<b>PN 965-Concessions Work at IAH &amp; HOU</b>								
	8011 - HAS-Airports Improvement		2,000					2,000	
	<b>Project Total</b>		2,000					2,000	
<b>A-000708</b>	<b>SIDA Booth Replacement at AOA Gate NV13</b>								
	8011 - HAS-Airports Improvement		50	455				505	
	<b>Project Total</b>		50	455				505	
<b>A-000712</b>	<b>FIS/CBP Signage and Wayfinding</b>								
	8011 - HAS-Airports Improvement		1,370					1,370	
	<b>Project Total</b>		1,370					1,370	



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CIP No.	Project							2023-2027	
			2023	2024	2025	2026	2027		
<b>A-000713</b>	<b>RON Parking Terminal A</b>								
	8011 - HAS-Airports Improvement		6,643					6,643	
	<b>Project Total</b>		6,643					6,643	
<b>A-000718</b>	<b>PN 980 - IAH - MISC TAXIWAY REHAB</b>								
	OTHER		10,000	10,000	10,000	10,000	10,000	50,000	
	<b>Project Total</b>		10,000	10,000	10,000	10,000	10,000	50,000	
<b>A-000719</b>	<b>PN 981 - HOU - MISC TAXIWAY REHAB</b>								
	OTHER		5,000	5,000	5,000	5,000	5,000	25,000	
	<b>Project Total</b>		5,000	5,000	5,000	5,000	5,000	25,000	
<b>A-000720</b>	<b>PN 982 - REHAB TAXIWAY 13R-31L - HOU</b>								
	8000 - HAS-Grants		12,000					12,000	
	REV BONDS/CP		33,000					33,000	
	<b>Project Total</b>		45,000					45,000	
<b>A-000800</b>	<b>Executive Program Manager Services-ITRP</b>								
	8011 - HAS-Airports Improvement			1,640				1,640	
	REV BONDS/CP		15,583	12,000				27,583	
	<b>Project Total</b>		15,583	13,640				29,223	
<b>Total Appropriations:</b>			620,283	341,501	626,937	233,700	521,660	2,344,081	

**AVIATION - Department Related Projects**  
**2023-2027 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

This page lists projects that support the department but are found in other sections of the Capital Improvement Plan

Section	Project							2023-2027
CIP No.			2023	2024	2025	2026	2027	
Fleet								
W-28ADSP	HAS - Admin Support / Operations							
	8012 - HAS-AIF Capital Outlay			552				552
	Project Total			552				552
W-28ERES	HAS - Emergency Response							
	8012 - HAS-AIF Capital Outlay			2,915				2,915
	Project Total			2,915				2,915
W-28MTOP	HAS - Maintenance Operations							
	8012 - HAS-AIF Capital Outlay			8,332				8,332
	Project Total			8,332				8,332
W-28SCOP	HAS - Security Operations							
	8012 - HAS-AIF Capital Outlay			199				199
	Project Total			199				199
Total Appropriations:				11,998				11,998