



AVIATION FACILITIES

Aviation Facilities

Planned CIP

Planned appropriations for the Fiscal Year 2021 - 2025. Adopted Capital Improvement Plan are projected to reach \$2.5 billion. The George Bush Intercontinental Airport (IAH) International Terminal Redevelopment Program (ITRP) represents 33% of the five-year CIP, Terminal A Modernization and Expansion 23%, Hobby Terminal & Passenger facility projects represent 18%; airfield projects represent 17%, infrastructure projects represent 6%, while other projects represent 3% 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, including additional parking levels at Terminal C Garage.

The Terminal A Modernization project includes upgrade of facilities such as passenger boarding bridges, aircraft support systems, restrooms, hold rooms, baggage handling system etc. The Terminal A Domestic Expansion project will provide gate expansion on the South Concourse and west side of Terminal A. A major re-life and expansion of the outbound baggage handling system is being completed in partnership with the Transportation Security Administration (TSA).

Airfield projects at IAH include rehabilitation of Taxiway NA, RA, RB, SA, SB; Completion of the major rehabilitation of taxiways WA and WB, Terminal B Apron Reconstruction, Rehabilitation and Expansion of ARFF Station 92.

Other projects at IAH are Construction of a new General Services Facility to consolidate facility requirements for vehicle maintenance, Operations, and Supply Chain Management functions, Upgrade & Relocate Automated People Mover (APM) (Skyway) facilities; Rehab Storm water pollution control system.

Projects planned at HOU include: Seven gate expansion, Consolidated Rental car (CONRAC) facility, Non-standard taxiways associated with Runway 17-35 decommissioning; Reconstruction of Taxiway M and Taxiway C; Rehabilitation and Expansion of ARFF Station 81.

At Ellington Airport, the planned projects include: Spaceport Phase I development – associated utility infrastructure, roadways and environmental assessments.

Funding for the Airport Facilities CIP

The Fiscal Year 2021 - 2025 Airport Facilities CIP is being funded from various sources including the Airports Improvement Fund (AIF, Fund 8011), Airports Renewal and Replacement Fund (R&R, Fund 8010), Grants-in-Aid from the FAA Airports Improvement Program (AIP Fund 8000), other transaction funds from Department of Homeland Security (DHS), and Commercial Paper / General Airport Revenue Bonds (GARB), Special Facilities Revenue Bonds and passenger facility charges.

Project Allocation	Fiscal Year Planned Appropriations					2021-2025
	2021	2022	2023	2024	2025	
Planning		1,086				1,086
Acquisition-Land						
Design	5,168	183,209	12,328	6,719	3,639	211,063
Construction	499,920	602,780	614,563	281,642	174,691	2,173,596
Equipment Acquisition						
Salary Recovery						
Other	33,617	29,826	23,425	5,174	12,255	104,297
Total Allocation	538,705	816,901	650,316	293,535	190,585	2,490,042
Source of Funds						
8000 - HAS-Grants	25,925	38,291	20,875	33,329	15,000	133,420
8010 - HAS-Renewal & Replacement	103	20,007	6,358	4,506	9,433	40,407
8011 - HAS-Airports Improvement	34,839	84,723	56,883	25,145	16,652	218,242
OTHER	1,000	79,579	127,800	105,316	93,000	406,695
REV BONDS/CP	476,838	576,276	252,742	125,239	56,500	1,487,595
Spec. Fac. Rev. Bond		18,025	185,658			203,683
Total Funds	538,705	816,901	650,316	293,535	190,585	2,490,042

AVIATION FACILITIES - Summary of Funds
2021-2025 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CIP No.	Project	Fiscal Year Planned Appropriations					2021-2025
		2021	2022	2023	2024	2025	
A-000348	Miscellaneous Construction						
	8011 - HAS-Airports Improvement		645	681	719	758	2,803
	Project Total		645	681	719	758	2,803
A-000422	Civic Art for Aviation-HAS						
	8011 - HAS-Airports Improvement	1,720	550				2,270
	REV BONDS/CP	3,000					3,000
	Project Total	4,720	550				5,270
A-000423	General Environmental Services - HAS						
	8010 - HAS-Renewal & Replacement		16,603	6,000			22,603
	Project Total		16,603	6,000			22,603
A-000456	Various Bldg & Supt-Roadways-IAH						
	8010 - HAS-Renewal & Replacement			358	547		905
	Project Total			358	547		905
A-000461	Various Bldg & Supt Sys-Airfield-IAH						
	8000 - HAS-Grants				5,580		5,580
	8010 - HAS-Renewal & Replacement				1,859		1,859
	Project Total				7,439		7,439
A-000474	Various Bldg & Supt Sys-Main Term-Hou						
	8010 - HAS-Renewal & Replacement				2,100	4,514	6,614
	Project Total				2,100	4,514	6,614
A-000477	PN 604A Inter-Terminal Train-Repairs						
	8010 - HAS-Renewal & Replacement		2,318				2,318
	REV BONDS/CP	3,000	33,025				36,025
	Project Total	3,000	35,343				38,343

AVIATION FACILITIES - Summary of Funds
2021-2025 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CIP No.	Project						2021-2025	
		2021	2022	2023	2024	2025		
A-000492	Various Bldg Supt Sys-APM-IAH							
	8010 - HAS-Renewal & Replacement					4,919	4,919	
	Project Total					4,919	4,919	
A-000494	APM Guide Way Structural Enhancements							
	8011 - HAS-Airports Improvement		29,870		7,316		37,186	
	OTHER				7,316		7,316	
	Project Total		29,870		14,632		44,502	
A-000515	Rehab Taxiway SA,SB & RA - GBIAH							
	8000 - HAS-Grants			10,267	15,500	15,000	40,767	
	REV BONDS/CP	1,000	1,000	12,675	5,190	5,000	24,865	
	Project Total	1,000	1,000	22,942	20,690	20,000	65,632	
A-000527	Non-Standard FAA Taxiways at HOU							
	8000 - HAS-Grants	6,275	10,191	9,284			25,750	
	8011 - HAS-Airports Improvement	2,091					2,091	
	REV BONDS/CP		2,519	2,216			4,735	
	Project Total	8,366	12,710	11,500			32,576	
A-000530	MOA-SW Maintenance Hanger Develop at HOU							
	8011 - HAS-Airports Improvement		3,100				3,100	
	Project Total		3,100				3,100	
A-000545	Environmental Impact Study - HAS							
	8011 - HAS-Airports Improvement					1,000	1,000	
	Project Total					1,000	1,000	

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CIP No.	Project						2021-2025	
		2021	2022	2023	2024	2025		
A-000570	Reconstruction of Taxiway NA & NB - IAH							
	8000 - HAS-Grants	18,750	18,750				37,500	
	REV BONDS/CP	6,250	6,250				12,500	
	Project Total	25,000	25,000				50,000	
A-000574	Taxiway M Rehab							
	8000 - HAS-Grants		350	1,324	12,249		13,923	
	8011 - HAS-Airports Improvement		150	441			591	
	REV BONDS/CP				4,049		4,049	
	Project Total		500	1,765	16,298		18,563	
A-000576	Modify N Electrical Vault and Misc. Elec							
	8011 - HAS-Airports Improvement			563	5,217		5,780	
	Project Total			563	5,217		5,780	
A-000581	Terminal A Modernization Program							
	OTHER	1,000	56,179	127,800	11,000	3,500	199,479	
	REV BONDS/CP	9,000	142,821	101,600	99,000	31,500	383,921	
	Project Total	10,000	199,000	229,400	110,000	35,000	583,400	
A-000590	Rehabilitate and Expand ARFF Station-HAS							
	8000 - HAS-Grants	900	9,000				9,900	
	8011 - HAS-Airports Improvement	300	6,300				6,600	
	REV BONDS/CP		9,900				9,900	
	Project Total	1,200	25,200				26,400	
A-000600	Infrastructure Staff Augmentation - HAS							
	8011 - HAS-Airports Improvement	1,765	3,868	4,086	4,312	4,549	18,580	
	Project Total	1,765	3,868	4,086	4,312	4,549	18,580	

AVIATION FACILITIES - Summary of Funds
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CIP No.	Project						2021-2025	
		2021	2022	2023	2024	2025		
A-000602	On-Call Planning Services							
	8011 - HAS-Airports Improvement	1,445	774	817	862	910	4,808	
	Project Total	1,445	774	817	862	910	4,808	
A-000608	Data Center - HAS							
	8011 - HAS-Airports Improvement		3,387				3,387	
	Project Total		3,387				3,387	
A-000618	Purchase United Airline Land & Building							
	8011 - HAS-Airports Improvement		1,750				1,750	
	Project Total		1,750				1,750	
A-000625	IAH Fleet Maintenance Building							
	8011 - HAS-Airports Improvement	3,246					3,246	
	Project Total	3,246					3,246	
A-000629	Aerospace Design & Solution Lab - EFD							
	8011 - HAS-Airports Improvement	6,248					6,248	
	Project Total	6,248					6,248	
A-000634	On Call Technology Contract							
	8011 - HAS-Airports Improvement			1,000		5,796	6,796	
	Project Total			1,000		5,796	6,796	
A-000635	Communication Cabling Infrastructure							
	8011 - HAS-Airports Improvement		1,934				1,934	
	Project Total		1,934				1,934	
A-000636	Parking Revenue Control System - HAS							
	8011 - HAS-Airports Improvement	7,859					7,859	
	Project Total	7,859					7,859	

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CIP No.	Project						2021-2025
		2021	2022	2023	2024	2025	
A-000640	In-Airport Directories - GBIAH						
	8011 - HAS-Airports Improvement	650					650
	Project Total	650					650
A-000660	Hobby ConRAC						
	Spec. Fac. Rev. Bond		18,025	185,658			203,683
	Project Total		18,025	185,658			203,683
A-000661	ARFF AFFF Collection Facility - GBIAH						
	8011 - HAS-Airports Improvement	865	7,787				8,652
	Project Total	865	7,787				8,652
A-000662	On Call Design						
	8011 - HAS-Airports Improvement		8,790		6,719	3,639	19,148
	Project Total		8,790		6,719	3,639	19,148
A-000665	PN 927 - Hobby Vehicle Fueling Station						
	8010 - HAS-Renewal & Replacement	103	1,086				1,189
	Project Total	103	1,086				1,189
A-000666	Gate Expansion at Hobby Airport						
	OTHER		23,400				23,400
	REV BONDS/CP		210,600				210,600
	Project Total		234,000				234,000
A-000667	Terminal B Phase III Apron						
	OTHER				87,000	89,500	176,500
	Project Total				87,000	89,500	176,500
A-000668	Reconstruct Taxiway C - Hobby Airport						
	REV BONDS/CP		1,000	2,000	17,000	20,000	40,000
	Project Total		1,000	2,000	17,000	20,000	40,000

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CIP No.	Project						2021-2025
		2021	2022	2023	2024	2025	
A-000669	IAH Flyover Bridge Reconstruction						
	REV BONDS/CP	1,000	7,500				8,500
	Project Total	1,000	7,500				8,500
A-000670	Kenswick Intersection - GBIAH						
	REV BONDS/CP		3,000				3,000
	Project Total		3,000				3,000
A-000671	Harden AOA Perimeters - HOU						
	REV BONDS/CP			2,000			2,000
	Project Total			2,000			2,000
A-000673	Procure & Install Upgrades to FID/BIDS						
	8011 - HAS-Airports Improvement	1,000					1,000
	Project Total	1,000					1,000
A-000675	Passenger Wayfinding at GBIAH						
	8011 - HAS-Airports Improvement	500					500
	Project Total	500					500
A-000678	Passenger Wayfinding at Hobby Airport						
	8011 - HAS-Airports Improvement	150					150
	Project Total	150					150
A-000800	Executive Program Manager Services-ITRP						
	8011 - HAS-Airports Improvement	7,000	15,818	49,295			72,113
	REV BONDS/CP	453,588	158,661	132,251			744,500
	Project Total	460,588	174,479	181,546			816,613
	Total Appropriations:	538,705	816,901	650,316	293,535	190,585	2,490,042

**AVIATION - Department Related Projects
2021 - 2025 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

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

Section CIP No.	Project						2021-2025
		2021	2022	2023	2024	2025	
Fleet							
W-28ADSP	HAS - Admin Support / Operations						
	8012 - HAS-AIF Capital Outlay	240	3,442	2,701	3,171		9,554
	Project Total	240	3,442	2,701	3,171		9,554
W-28ERES	HAS - Emergency Response						
	8012 - HAS-AIF Capital Outlay	3,607					3,607
	Project Total	3,607					3,607
W-28MTOP	HAS - Maintenance Operations						
	8012 - HAS-AIF Capital Outlay	990					990
	Project Total	990					990
W-28SCOP	HAS - Security Operations						
	8012 - HAS-AIF Capital Outlay	153					153
	Project Total	153					153
Total Appropriations:		4,990	3,442	2,701	3,171		14,304