



AVIATION FACILITIES

Aviation Facilities

Planned CIP

Planned appropriations for the Fiscal Year 2024-2028 Capital Improvement Plan are projected to reach \$2.8 billion. The George Bush Intercontinental Airport (IAH) Domestic Redevelopment Program is the largest project, representing 31.7%; Airfield projects represent 20.2%; while infrastructure projects represent 6.9%; Central Utility Plant (CUP) 4.4%; Terminal projects 35.5%, and the International Terminal Redevelopment Program (ITRP) 1%; 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 Domestic Redevelopment Program includes gate expansions, a new consolidated security checkpoint in Terminal A. It also includes early enabling projects associated with curbside capacity improvements, which will address the current level of service deficiencies at arrival and departure curbsides for both private and commercial vehicles. The plan will also provide infrastructure for gate expansion.

Airfield projects at IAH include rehabilitation of Taxiways RA, RB, SA, SB. Rehabilitation of Crossfield Taxiways, Airfield Sinkholes 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, IAH Conveyances, HVAC Efficiency, Restroom Upgrades, Consolidated Employee Lot, Will Clayton Flyover Bridge Replacement, Construction of Kenswick intersection and Storm Water detention pond expansion.

Projects planned at HOU include West Pier Seven-Gate Expansion; Non-Standard Taxiways associated with Runway 17-35 decommissioning, Taxiway M Rehab, HVAC Efficiency, Hobby Conveyances,

Expansion of ARFF Station 81, Sanitary sewer system and flooring in the central concourse.

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

Completion of the ITRP remains a focus of the five-year CIP. The project redevelops the International Terminal D with more gates to handle the large wide body aircraft and consolidates international check in processes in a new International Central Processor (ICP).

Funding for the Airport Facilities CIP

The Fiscal Year 2024-2028 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					2024-2028
	2024	2025	2026	2027	2028	
Planning						
Acquisition-Land						
Design	44,971	20,648	328,585	2,000	9,380	405,584
Construction	779,471	613,032	346,259	403,550	83,000	2,225,312
Equipment Acquisition						
Salary Recovery						
Other	43,528	37,581	46,494	8,600	1,500	137,703
Total Allocation	867,970	671,261	721,338	414,150	93,880	2,768,599
Source of Funds						
8000 - HAS-Grants	163,312	148,062	199,423	153,639	18,670	683,106
8011 - HAS-Airports Improvement	242,676	217,179	190,873	83,750	26,350	760,828
8013 - HAS-Passenger Facility Charges	2,000	3,400	2,800			8,200
8019 - IAH Passenger Facility Charge Fund			20,000	20,000	10,000	50,000
REV BONDS/CP	459,982	302,620	308,242	156,761	38,860	1,266,465
Total Funds	867,970	671,261	721,338	414,150	93,880	2,768,599

AVIATION FACILITIES - Summary of Funds
2024-2028 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CIP No.	Project	Fiscal Year Planned Appropriations					2024-2028
		2024	2025	2026	2027	2028	
A-000422	Civic Art for Aviation-HAS						
	8011 - HAS-Airports Improvement	2,495	2,185				4,680
	Project Total	2,495	2,185				4,680
A-000423	Gen. Environmental Svc-Storm Water - HAS						
	8011 - HAS-Airports Improvement	700	4,000	8,000	4,000		16,700
	Project Total	700	4,000	8,000	4,000		16,700
A-000461	Various Bldg & Supt Sys-Airfield-IAH						
	8011 - HAS-Airports Improvement					180	180
	Project Total					180	180
A-000477	PN 604A Inter-Terminal Train-Repairs						
	REV BONDS/CP			22,000			22,000
	Project Total			22,000			22,000
A-000494	APM Guide Way Structural Enhancements						
	REV BONDS/CP	250,000	100,000				350,000
	Project Total	250,000	100,000				350,000
A-000501	PN 209 -HOBBY RESTROOM RENOVATIONS						
	8011 - HAS-Airports Improvement	4,203					4,203
	Project Total	4,203					4,203
A-000513	Airport Pavement Replacement						
	8011 - HAS-Airports Improvement	173					173
	Project Total	173					173
A-000515	Rehab Taxiway SA,SB & RA - GBIAH						
	8000 - HAS-Grants	23,489	9,588	11,795	4,855		49,727
	8011 - HAS-Airports Improvement	6,872	2,459	7,864	3,237		20,432
	Project Total	30,361	12,047	19,659	8,092		70,159

AVIATION FACILITIES - Summary of Funds
2024-2028 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CIP No.	Project						2024-2028	
		2024	2025	2026	2027	2028		
A-000527	Non-Standard FAA Taxiways at HOU							
	8011 - HAS-Airports Improvement	41,057						41,057
	Project Total	41,057						41,057
A-000572	Wayfinding Garage Facilities -IAH/HOU							
	8011 - HAS-Airports Improvement	2,737						2,737
	Project Total	2,737						2,737
A-000574	Taxiway M Rehab							
	8000 - HAS-Grants		7,480	7,480				14,960
	8011 - HAS-Airports Improvement	500	11,520	9,520				21,540
	Project Total	500	19,000	17,000				36,500
A-000581	Terminal A Modernization Program							
	8000 - HAS-Grants	20,500	25,000	80,780	75,000	16,750		218,030
	8011 - HAS-Airports Improvement	50,400	17,000	54,930	51,000	1,390		174,720
	8019 - IAH Passenger Facility Charge Fund			20,000	20,000	10,000		50,000
	REV BONDS/CP	11,600	58,000	167,410	154,000	38,860		429,870
	Project Total	82,500	100,000	323,120	300,000	67,000		872,620
A-000590	Rehabilitate and Expand ARFF Station-HAS							
	8000 - HAS-Grants	37,003						37,003
	8011 - HAS-Airports Improvement	4,823						4,823
	Project Total	41,826						41,826
A-000600	Infrastructure Staff Augmentation - HAS							
	8011 - HAS-Airports Improvement			7,694				7,694
	Project Total			7,694				7,694

AVIATION FACILITIES - Summary of Funds
2024-2028 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CIP No.	Project						2024-2028
		2024	2025	2026	2027	2028	
A-000608	Data Center AOC - HAS						
	8011 - HAS-Airports Improvement	7,498					7,498
	Project Total	7,498					7,498
A-000610	Cell Phone Lots on JFK & Will Clayton						
	8000 - HAS-Grants	402					402
	8011 - HAS-Airports Improvement	8					8
	Project Total	410					410
A-000629	Aerospace Design & Solution Lab - EFD						
	8011 - HAS-Airports Improvement		13,000				13,000
	Project Total		13,000				13,000
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-000641	IAH & HOU Interactive Visitor Kiosks						
	8011 - HAS-Airports Improvement	550					550
	Project Total	550					550
A-000666	Gate Expansion at Hobby Airport						
	8000 - HAS-Grants	14,000	23,800	19,600			57,400
	8013 - HAS-Passenger Facility Charges	2,000	3,400	2,800			8,200
	REV BONDS/CP	84,000	142,800	117,600			344,400
	Project Total	100,000	170,000	140,000			410,000
A-000669	IAH Flyover Bridge Reconstruction						
	8000 - HAS-Grants	4,504					4,504
	8011 - HAS-Airports Improvement	1,107					1,107
	Project Total	5,611					5,611

AVIATION FACILITIES - Summary of Funds
2024-2028 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CIP No.	Project						2024-2028
		2024	2025	2026	2027	2028	
A-000670	Kenswick Intersection - GBIAH						
	8000 - HAS-Grants	670					670
	8011 - HAS-Airports Improvement	1,200					1,200
	REV BONDS/CP	2,630					2,630
	Project Total	4,500					4,500
A-000673	Procure & Install Upgrades to FID/BIDS						
	8011 - HAS-Airports Improvement	916					916
	Project Total	916					916
A-000674	SIDA BOOTH IMPROVEMENTS - HOU						
	8011 - HAS-Airports Improvement	75					75
	Project Total	75					75
A-000675	Passenger Wayfinding at GBIAH						
	8000 - HAS-Grants	14					14
	REV BONDS/CP	136					136
	Project Total	150					150
A-000676	REPLACE INFORM BOOTHS IN HOBBY TERMIN						
	8000 - HAS-Grants	696					696
	8011 - HAS-Airports Improvement	232					232
	Project Total	928					928
A-000678	Passenger Wayfinding at Hobby Airport						
	8000 - HAS-Grants			950			950
	8011 - HAS-Airports Improvement	1,043	1,000	50			2,093
	Project Total	1,043	1,000	1,000			3,043

AVIATION FACILITIES - Summary of Funds
2024-2028 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CIP No.	Project						2024-2028	
		2024	2025	2026	2027	2028		
A-000680	ON-CALL PROF. AVIATION PLANNING SERVICE							
	8011 - HAS-Airports Improvement		15,000					15,000
	Project Total		15,000					15,000
A-000685	PN 950 - HOU Sanitary Sewer System							
	8000 - HAS-Grants	7,200						7,200
	8011 - HAS-Airports Improvement	1,000						1,000
	Project Total	8,200						8,200
A-000687	PN 952 - IAH Airfield Electrical							
	8000 - HAS-Grants	5,250						5,250
	8011 - HAS-Airports Improvement	1,750						1,750
	Project Total	7,000						7,000
A-000689	PN 707 - Const. of Taxiway LIMA - EFD							
	8000 - HAS-Grants	27,200	13,600					40,800
	8011 - HAS-Airports Improvement	15,800	7,400			2,000		25,200
	Project Total	43,000	21,000			2,000		66,000
A-000690	PN 954 - Drainage Structure Repairs							
	8000 - HAS-Grants	1,425						1,425
	8011 - HAS-Airports Improvement	475						475
	Project Total	1,900						1,900
A-000691	IAH - Central Utility Plant (CUP) Improv							
	REV BONDS/CP	110,000						110,000
	Project Total	110,000						110,000
A-000692	PN 956 - Hobby Domestic Water Resiliency							
	8011 - HAS-Airports Improvement	100						100
	Project Total	100						100

AVIATION FACILITIES - Summary of Funds
2024-2028 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CIP No.	Project						2024-2028
		2024	2025	2026	2027	2028	
A-000699	PN 963-FIDS/BIDS Upgrades						
	8011 - HAS-Airports Improvement		28				28
	REV BONDS/CP		1,500				1,500
	Project Total		1,528				1,528
A-000702	PN 966-Ground Transportation Mgmt Sys						
	8011 - HAS-Airports Improvement		3,000				3,000
	Project Total		3,000				3,000
A-000712	FIS/CBP Signage and Wayfinding						
	8011 - HAS-Airports Improvement		1,254				1,254
	REV BONDS/CP		116				116
	Project Total		1,370				1,370
A-000713	RON Parking Terminal A						
	8011 - HAS-Airports Improvement		7,660				7,660
	Project Total		7,660				7,660
A-000718	PN 980 - IAH - MISC TAXIWAY REHAB						
	8000 - HAS-Grants		1,400				1,400
	8011 - HAS-Airports Improvement		350				350
	Project Total		1,750				1,750
A-000719	PN 981 - HOU - MISC TAXIWAY REHAB						
	8011 - HAS-Airports Improvement			1,000			1,000
	Project Total			1,000			1,000
A-000720	PN 982 - REHAB TAXIWAY 13R-31L - HOU						
	8000 - HAS-Grants		6,750	33,750	35,625		76,125
	8011 - HAS-Airports Improvement		9,250	11,250	11,875		32,375
	Project Total		16,000	45,000	47,500		108,500

AVIATION FACILITIES - Summary of Funds
2024-2028 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CIP No.	Project						2024-2028
		2024	2025	2026	2027	2028	
A-000725	IAH CONSOLIDATED EMPLOYEE LOT						
	8000 - HAS-Grants	728			750		1,478
	8011 - HAS-Airports Improvement	7,072	20,000	20,000	250		47,322
	Project Total	7,800	20,000	20,000	1,000		48,800
A-000730	PASSENGER LOADING BRIDGES(PLB)IAH & HO						
	8000 - HAS-Grants	5,025					5,025
	8011 - HAS-Airports Improvement	2,475					2,475
	Project Total	7,500					7,500
A-000732	PAVING OF STANDIFER ROAD						
	8000 - HAS-Grants	56					56
	8011 - HAS-Airports Improvement	19	980				999
	Project Total	75	980				1,055
A-000733	BRIDGE REPAIRS AT TERM C GARAGE HELIX						
	8011 - HAS-Airports Improvement	6,000					6,000
	Project Total	6,000					6,000
A-000734	SKYWAY STRUCTURAL REPAIRS						
	8011 - HAS-Airports Improvement	7,700					7,700
	Project Total	7,700					7,700
A-000735	AIRCRAFT RON PARKING REMOTE PAD						
	8000 - HAS-Grants		180				180
	8011 - HAS-Airports Improvement			21,000			21,000
	REV BONDS/CP		1,820				1,820
	Project Total		2,000	21,000			23,000

AVIATION FACILITIES - Summary of Funds
2024-2028 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CIP No.	Project						2024-2028	
		2024	2025	2026	2027	2028		
A-000736	AIRFIELD DRAINAGE & ENVIRON LIFT STATION							
	8011 - HAS-Airports Improvement	2,000	15,000				17,000	
	Project Total	2,000	15,000				17,000	
A-000737	CROSSFIELD TAXIWAY							
	8000 - HAS-Grants			9,200	31,752		40,952	
	8011 - HAS-Airports Improvement		4,451				4,451	
	REV BONDS/CP			800	2,761		3,561	
	Project Total		4,451	10,000	34,513		48,964	
A-000738	GSE STORAGE/PARKING AREA							
	8011 - HAS-Airports Improvement	500	4,500				5,000	
	Project Total	500	4,500				5,000	
A-000739	IAH AIRFIELD SINK-HOLE PROJECT							
	8011 - HAS-Airports Improvement	1,600	8,000	8,000			17,600	
	Project Total	1,600	8,000	8,000			17,600	
A-000740	IAH CARGO EXPANSION							
	8011 - HAS-Airports Improvement		1,559				1,559	
	Project Total		1,559				1,559	
A-000741	AIRFIELD DRAINAGE STUDY & UPGRADES							
	8000 - HAS-Grants		7,875	9,375			17,250	
	8011 - HAS-Airports Improvement		2,625	3,125			5,750	
	Project Total		10,500	12,500			23,000	
A-000742	IAH & HOU CONVEYANCES							
	8000 - HAS-Grants	7,000	8,000		18,345	1,920	35,265	
	8011 - HAS-Airports Improvement	1,464	1,000	2,565	3,200	14,080	22,309	
	Project Total	8,464	9,000	2,565	21,545	16,000	57,574	

AVIATION FACILITIES - Summary of Funds
2024-2028 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CIP No.	Project						2024-2028	
		2024	2025	2026	2027	2028		
A-000743	REGROOVE 15L-33R - PAVEMENT RESURFACE							
	8000 - HAS-Grants			7,500				7,500
	8011 - HAS-Airports Improvement			2,500				2,500
	Project Total			10,000				10,000
A-000744	IAH CUP RESILIENCY							
	8011 - HAS-Airports Improvement	1,000	2,500	2,500	2,500	1,500		10,000
	Project Total	1,000	2,500	2,500	2,500	1,500		10,000
A-000745	IAH ROADWAY CAMERAS							
	8011 - HAS-Airports Improvement	1,800	1,500					3,300
	Project Total	1,800	1,500					3,300
A-000746	IAH & HOU HVAC EFFICIENCY UPGRADES							
	8000 - HAS-Grants		7,674	8,000	9,600			25,274
	8011 - HAS-Airports Improvement	1,250	1,919	2,000	2,400			7,569
	Project Total	1,250	9,593	10,000	12,000			32,843
A-000747	REHABILITATION OF TWY SF - IAH							
	8011 - HAS-Airports Improvement					1,200		1,200
	Project Total					1,200		1,200
A-000748	RWY 15L RWSL (LIGHTING) REHABILITATION							
	8011 - HAS-Airports Improvement		200					200
	Project Total		200					200
A-000749	TERMINAL A RESTROOM UPGRADES - IAH							
	8000 - HAS-Grants		3,750	3,750	4,500			12,000
	8011 - HAS-Airports Improvement	2,300	1,250	1,250	1,500			6,300
	Project Total	2,300	5,000	5,000	6,000			18,300

AVIATION FACILITIES - Summary of Funds
2024-2028 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CIP No.	Project						2024-2028
		2024	2025	2026	2027	2028	
A-000750	COMMON USE GATE EXPAN & BAG HALL IMP-H						
	8011 - HAS-Airports Improvement		19,600	19,600			39,200
	Project Total		19,600	19,600			39,200
A-000751	HOU-AIRPORT EMERGENCY OPERATION CENT						
	8011 - HAS-Airports Improvement		50	500			550
	Project Total		50	500			550
A-000752	HOU AIRPORT DRAINAGE CORRECTIONS						
	8000 - HAS-Grants			5,000	3,700		8,700
	8011 - HAS-Airports Improvement		1,200	5,000	3,700		9,900
	Project Total		1,200	10,000	7,400		18,600
A-000753	HOU DRAINAGE MASTER PLAN STUDY & UPGR						
	8011 - HAS-Airports Improvement		700				700
	Project Total		700				700
A-000754	HOU GARAGE APGS REPLACEMENT						
	8000 - HAS-Grants			3,200			3,200
	8011 - HAS-Airports Improvement		500	800			1,300
	Project Total		500	4,000			4,500
A-000755	RUNWAY & TAXIWAY HOLDING BAY - HOU						
	8000 - HAS-Grants			4,165	2,880		7,045
	8011 - HAS-Airports Improvement		1,000	4,335	900	6,120	12,355
	Project Total		1,000	8,500	900	9,000	19,400

AVIATION FACILITIES - Summary of Funds
2024-2028 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CIP No.	Project						2024-2028	
		2024	2025	2026	2027	2028		
A-000756	EFD DRAINAGE MASTER PLAN							
	8000 - HAS-Grants			368	2,257			2,625
	8011 - HAS-Airports Improvement		600		3,843			4,443
	REV BONDS/CP			432				432
	Project Total		600	800	6,100			7,500
A-000757	MAINTENANCE HANGER - EFD							
	8011 - HAS-Airports Improvement		5,000					5,000
	Project Total		5,000					5,000
A-000760	ADMIN BUILDING CONSTRUCTION							
	8011 - HAS-Airports Improvement		2,000	25,500				27,500
	Project Total		2,000	25,500				27,500
A-000761	MISC. SMALL CAPITAL PROJECT - HAS							
	8011 - HAS-Airports Improvement		6,000	6,000	2,000	2,000	2,000	18,000
	Project Total		6,000	6,000	2,000	2,000	2,000	18,000
A-000762	RUNWAY 17L-35R REHABILITATION - EFD							
	8011 - HAS-Airports Improvement						4,000	4,000
	Project Total						4,000	4,000
A-000763	EFD MISC TAXIWAY REHAB-EFD							
	8011 - HAS-Airports Improvement			2,000				2,000
	Project Total			2,000				2,000
A-000800	Executive Program Manager Services-ITRP							
	8011 - HAS-Airports Improvement		24,040					24,040
	Project Total		24,040					24,040
	Total Appropriations:		867,970	671,261	721,338	414,150	93,880	2,768,599

**AVIATION - Department Related Projects
2024-2028 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						2024-2028
		2024	2025	2026	2027	2028	
Fleet							
W-28ADSP	HAS - Admin Support / Operations						
	8012 - HAS-AIF Capital Outlay		1,330				1,330
	Project Total		1,330				1,330
W-28ERES	HAS - Emergency Response						
	8012 - HAS-AIF Capital Outlay		2,624				2,624
	Project Total		2,624				2,624
W-28MTOP	HAS - Maintenance Operations						
	8012 - HAS-AIF Capital Outlay		13,146				13,146
	Project Total		13,146				13,146
W-28SCOP	HAS - Security Operations						
	8012 - HAS-AIF Capital Outlay		48				48
	Project Total		48				48
	Total Appropriations:		17,148				17,148