
AVIATION FACILITIES 2019-2023 CAPITAL IMPROVEMENT PLAN

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2019-2023 CAPITAL IMPROVEMENT PLAN (\$ Thousands)
CITY OF HOUSTON - AVIATION FACILITIES

Project: Miscellaneous Construction HOUSTON AIRPORT SYSTEM(IAH-HOU-EFD)		Project No.		A-000348		
Project Description						
Project provides funds for construction services to perform minor wall/door relocations, minor carpet replacements, and limited scope construction for airlines/other tenants.		City Council District				
		Location	B,E,I	Address Descr 2:		
		Served:	CITYWIDE	Zip Codes:		
		Key Map:		Category:		
Location Code: UA-00		Sub-Category:				
Project Justification						
Project provides for unforeseen construction requirements at each of the three airports to maintain safety and efficient customer/tenant services.		Units:	0			
		Start Year:	2018			
		RCC Total	\$	RCA Total	\$	

Project Allocation	Previous Appropriations						2019-2023	Project Total
		2019	2020	2021	2022	2023		
Planning								
Acquisition-Land								
Design	1,046	475					475	1,521
Construction	15,801	1,840	577	610	645	681	4,353	20,154
Equipment Acquisition								
Salary Recovery								
Other								
Total Allocation	16,848	2,315	577	610	645	681	4,828	21,676
Source of Funds								
8011 - HAS-Airports Improvement	16,848	2,315	577	610	645	681	4,828	21,676
Total Funds	16,848	2,315	577	610	645	681	4,828	21,676

2019-2023 CAPITAL IMPROVEMENT PLAN (\$ Thousands)
CITY OF HOUSTON - AVIATION FACILITIES

Project: Civic Art for Aviation-HAS HOUSTON AIRPORT SYSTEM(IAH-HOU-EFD)		Project No.		A-000422		
Project Description						
Incorporate artwork in building projects planned for public use.		City Council District				
		Location	B,E,I	Address Descr 2:		
		Served:	CITYWIDE	Zip Codes:		
		Key Map:		Category:		
Location Code:	UA-00	Sub-Category:				
Project Justification						
Projects needed to incorporate art work in building projects planned for public use.		Units:	0			
		Start Year:	2018			
		RCC Total	\$	RCA Total	\$	

Project Allocation	Previous Appropriations						2019-2023	Project Total
		2019	2020	2021	2022	2023		
Planning								
Acquisition-Land								
Design	11,082							11,082
Construction		3,534	5,576		382		9,492	9,492
Equipment Acquisition								
Salary Recovery								
Other								0
Total Allocation	11,082	3,534	5,576		382		9,492	20,574
Source of Funds								
8011 - HAS-Airports Improvement	11,082	3,534	4,476		382		8,392	19,474
REV BONDS/CP			1,100				1,100	1,100
Total Funds	11,082	3,534	5,576		382		9,492	20,574

2019-2023 CAPITAL IMPROVEMENT PLAN (\$ Thousands)
CITY OF HOUSTON - AVIATION FACILITIES

Project: General Environmental Services - HAS GEORGE BUSH INTERCONTINENTAL AIRPORT		Project No.		A-000423	
Project Description					
Rehabilitate and/or replace the IAH storm water pollution control systems' structures utilizing the best management practices to maintain compliance with the Texas Commission on Environmental Quality (TCEQ), Texas Point Discharge Elimination System (TPDES) and Storm Water Pollution Prevention Plan (SWPPP).		City Council District			
		Location	B	Address Descr 2:	
		Served:	CITYWIDE	Zip Codes:	77032
		Key Map:		Category:	
Location Code: UA-00		Sub-Category:			
Project Justification					
Existing storm water pollution control structural systems (environmental lift stations at IAH do not meet current capacity and operational requirements to ensure continued compliance with TCEQ, TPDES, and SWPPP requirements.		Units:	0		
		Start Year:	2018		
		RCC Total	\$	RCA Total	\$

Project Allocation	Previous Appropriations						2019-2023	Project Total
		2019	2020	2021	2022	2023		
Planning								
Acquisition-Land								
Design	4,668							4,668
Construction		5,704			603		6,307	6,307
Equipment Acquisition								
Salary Recovery								
Other		250					250	250
Total Allocation	4,668	5,954			603		6,557	11,225
Source of Funds								
8011 - HAS-Airports Improvement	4,668	250					250	4,918
R&R		5,704			603		6,307	6,307
Total Funds	4,668	5,954			603		6,557	11,225

2019-2023 CAPITAL IMPROVEMENT PLAN (\$ Thousands)
CITY OF HOUSTON - AVIATION FACILITIES

Project: Various Bldg & Supt-Roadways-IAH GEORGE BUSH INTERCONTINENTAL AIRPORT		Project No.		A-000456			
Project Description HAS Asset Management performed assessments of various building and building support systems to determine the condition of the inspected assets and to estimate the rehabilitation and replacement needs of those assets.		City Council District					
		Location	B	Address Descr 2:			
		Served:	CITYWIDE	Zip Codes:	77032		
		Key Map:		Category:			
Location Code: UA-00		Sub-Category:					
Project Justification The Asset Management System (AMS) project funds the rehabilitation and replacement of selected assets and systems.		Units:	0				
		Start Year:					
		RCC Total	\$	RCA Total	\$		

Project Allocation	Previous Appropriations						2019-2023	Project Total
		2019	2020	2021	2022	2023		
Planning								
Acquisition-Land								
Design								
Construction						358	358	358
Equipment Acquisition								
Salary Recovery								
Other								
Total Allocation						358	358	358
Source of Funds								
R&R						358	358	358
Total Funds						358	358	358

2019-2023 CAPITAL IMPROVEMENT PLAN (\$ Thousands)
CITY OF HOUSTON - AVIATION FACILITIES

Project: Noise Mitigation Program - IAH GEORGE BUSH INTERCONTINENTAL AIRPORT		Project No.		A-000476	
Project Description					
Land acquisition to implement a noise mitigation program for residential areas southwest of Bush Intercontinental.		City Council District			
		Location	B	Address Descr 2:	
		Served:	CITYWIDE	Zip Codes:	77032
		Key Map:		Category:	
Location Code: UA-00		Sub-Category:			
Project Justification					
The noise mitigation is required by the Federal Aviation Administration (FAA).		Units:	0		
		Start Year:	2018		
		RCC Total	\$	RCA Total	\$

Project Allocation	Previous Appropriations						2019-2023	Project Total
		2019	2020	2021	2022	2023		
Planning								
Acquisition-Land	3,661					77	77	3,738
Design								
Construction	1,501							1,501
Equipment Acquisition								
Salary Recovery								
Other								
Total Allocation	5,162					77	77	5,239
Source of Funds								
8011 - HAS-Airports Improvement	2,240					77	77	2,317
Total Funds	5,162					77	77	5,239

2019-2023 CAPITAL IMPROVEMENT PLAN (\$ Thousands)
CITY OF HOUSTON - AVIATION FACILITIES

Project: PN 604A Inter-Terminal Train-Repairs GEORGE BUSH INTERCONTINENTAL AIRPORT		Project No.		A-000477	
Project Description					
Professional engineering services for the evaluation of existing conditions and design services for emergency repairs of the Inter Terminal Train (ITT) and the rehabilitation of critical infrastructure at George Bush Intercontinental Airport (IAH).		City Council District			
		Location	B	Address Descr 2:	
		Served:	CITYWIDE	Zip Codes:	77032
		Key Map:		Category:	
Location Code:	UA-00	Sub-Category:			
Project Justification					
Storm water is infiltrating into the ITT level through the expansion joints, which could increase the corrosion potential of the reinforced concrete, damage the structural integrity of the tunnel and reduce the overall life of the structure.		Units:	0		
		Start Year:	2018		
		RCC Total	\$	RCA Total	\$

Project Allocation	Previous Appropriations						2019-2023	Project Total
		2019	2020	2021	2022	2023		
Planning								
Acquisition-Land								
Design	500		4,452				4,452	4,952
Construction		2,500			21,473		23,973	23,973
Equipment Acquisition								
Salary Recovery								
Other								
Total Allocation	500	2,500	4,452		21,473		28,425	28,925
Source of Funds								
8011 - HAS-Airports Improvement	500		4,452		21,473		25,925	26,425
R&R		2,500					2,500	2,500
Total Funds	500	2,500	4,452		21,473		28,425	28,925

2019-2023 CAPITAL IMPROVEMENT PLAN (\$ Thousands)
CITY OF HOUSTON - AVIATION FACILITIES

Project: APM Guide Way Structural Enhancements GEORGE BUSH INTERCONTINENTAL AIRPORT		Project No.		A-000494		
Project Description						
This project updates the control system for the Automated People Mover (APM) and moves the control system from Terminal B to the APM maintenance facility. The hardware and software which controls the APM is antiquated.		City Council District				
		Location	B	Address Descr 2:		
		Served:	CITYWIDE	Zip Codes:	77032	
		Key Map:		Category:		
Location Code: UA-00		Sub-Category:				
Project Justification						
The hardware and software which controls the APM are so old that the software program which normally updates systems like the APM will not load on our system.		Units:	0			
		Start Year:				
		RCC Total	\$	RCA Total	\$	

Project Allocation	Previous Appropriations						2019-2023	Project Total
		2019	2020	2021	2022	2023		
Planning								
Acquisition-Land								
Design								
Construction		29,000					29,000	29,000
Equipment Acquisition								
Salary Recovery								
Other								
Total Allocation		29,000					29,000	29,000
Source of Funds								
REV BONDS/CP		29,000					29,000	29,000
Total Funds		29,000					29,000	29,000

2019-2023 CAPITAL IMPROVEMENT PLAN (\$ Thousands)
CITY OF HOUSTON - AVIATION FACILITIES

Project: Public Wi-Fi Expansion-HAS HOUSTON AIRPORT SYSTEM(IAH-HOU-EFD)	Project No.	A-000495		
Project Description				
Public Wi-Fi expansion into concession food/beverage and retail establishment	City Council District			
	Location	B,E,I	Address Descr 2:	
	Served:	CITYWIDE	Zip Codes:	
	Key Map:		Category:	
Location Code:	UA-00	Sub-Category:		
Project Justification				
Customer Service	Units:	0		
	Start Year:			
	RCC Total	\$	RCA Total	\$

Project Allocation	Previous Appropriations						2019-2023	Project Total
		2019	2020	2021	2022	2023		
Planning								
Acquisition-Land								
Design		318					318	318
Construction		3,296					3,296	3,296
Equipment Acquisition								
Salary Recovery								
Other								
Total Allocation		3,614					3,614	3,614
Source of Funds								
8011 - HAS-Airports Improvement		3,614					3,614	3,614
Total Funds		3,614					3,614	3,614

2019-2023 CAPITAL IMPROVEMENT PLAN (\$ Thousands)
CITY OF HOUSTON - AVIATION FACILITIES

Project: Airport Pavement Replacement HOUSTON AIRPORT SYSTEM(IAH-HOU-EFD)	Project No.	A-000513																																	
Project Description																																			
This project provides engineering and construction services for the replacement/renewal of pavement on runways, taxiways, apron, garages and roads due to unforeseen circumstances or when minor immediate work is needed.																																			
<table border="1"> <tr> <td colspan="2">City Council District</td> <td colspan="4"></td> </tr> <tr> <td>Location</td> <td>B,E,I</td> <td colspan="2">Address Descr 2:</td> <td colspan="2"></td> </tr> <tr> <td>Served:</td> <td>CITYWIDE</td> <td colspan="2">Zip Codes:</td> <td colspan="2"></td> </tr> <tr> <td>Key Map:</td> <td></td> <td colspan="2">Category:</td> <td colspan="2"></td> </tr> <tr> <td>Location Code:</td> <td>UA-00</td> <td colspan="2">Sub-Category:</td> <td colspan="2"></td> </tr> </table>						City Council District						Location	B,E,I	Address Descr 2:				Served:	CITYWIDE	Zip Codes:				Key Map:		Category:				Location Code:	UA-00	Sub-Category:			
City Council District																																			
Location	B,E,I	Address Descr 2:																																	
Served:	CITYWIDE	Zip Codes:																																	
Key Map:		Category:																																	
Location Code:	UA-00	Sub-Category:																																	
Project Justification																																			
<table border="1"> <tr> <td>To fund projects which need immediate action to replace the pavement when unforeseen events occur.</td> <td>Units:</td> <td>0</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>Start Year:</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>RCC Total</td> <td>\$</td> <td>RCA Total</td> <td>\$</td> <td></td> </tr> </table>						To fund projects which need immediate action to replace the pavement when unforeseen events occur.	Units:	0					Start Year:						RCC Total	\$	RCA Total	\$													
To fund projects which need immediate action to replace the pavement when unforeseen events occur.	Units:	0																																	
	Start Year:																																		
	RCC Total	\$	RCA Total	\$																															

Project Allocation	Previous Appropriations						2019-2023	Project Total
		2019	2020	2021	2022	2023		
Planning								
Acquisition-Land								
Design								
Construction		3,500			6,556		10,056	10,056
Equipment Acquisition								
Salary Recovery								
Other								
Total Allocation		3,500			6,556		10,056	10,056
Source of Funds								
8011 - HAS-Airports Improvement		500			6,556		7,056	7,056
R&R		3,000					3,000	3,000
Total Funds		3,500			6,556		10,056	10,056

2019-2023 CAPITAL IMPROVEMENT PLAN (\$ Thousands)
CITY OF HOUSTON - AVIATION FACILITIES

Project: Rehab Taxiway SA,SB & RA - GBIAH GEORGE BUSH INTERCONTINENTAL AIRPORT		Project No.		A-000515		
Project Description						
This project will rehabilitate Taxiway RA, SA and SB.		City Council District				
		Location	B	Address Descr 2:		
		Served:	CITYWIDE	Zip Codes:	77032	
		Key Map:		Category:		
Location Code:	UA-00	Sub-Category:				
Project Justification						
Taxiway SA and SB reached their ten-year life expectancy in 2012. Portions of Taxiway RA, made of asphalt pavement, have deteriorated to the point where rehabilitation is needed.		Units:	0			
		Start Year:				
		RCC Total	\$	RCA Total	\$	

Project Allocation	Previous Appropriations						2019-2023	Project Total
		2019	2020	2021	2022	2023		
Planning								
Acquisition-Land								
Design		5,294					5,294	5,294
Construction			69,744				69,744	69,744
Equipment Acquisition								
Salary Recovery								
Other								
Total Allocation		5,294	69,744				75,038	75,038
Source of Funds								
8011 - HAS-Airports Improvement		5,294	69,744				75,038	75,038
Total Funds		5,294	69,744				75,038	75,038

2019-2023 CAPITAL IMPROVEMENT PLAN (\$ Thousands)
CITY OF HOUSTON - AVIATION FACILITIES

Project: Sanitary Sewer - GBIAH GEORGE BUSH INTERCONTINENTAL AIRPORT		Project No.		A-000516	
Project Description					
Re-routing of sanitary sewer in central cargo and rehabilitation of sanitary main lines at Bush IAH. Rehabilitation of six sanitary lift stations at Terminal D and one at ATCT (Air Traffic Control Tower).		City Council District			
		Location	B	Address Descr 2:	
		Served:	CITYWIDE	Zip Codes:	77032
		Key Map:		Category:	
Location Code:	UA-00	Sub-Category:			
Project Justification					
Re-routing to resolve the conflict between Center Point Energy Electrical Duct Bank and proposed sanitary sewer at two locations. The existing sanitary sewer system serving Bush IAH has deteriorated.		Units:	0		
		Start Year:	2016		
		RCC Total	\$	RCA Total	\$

Project Allocation	Previous Appropriations						2019-2023	Project Total
		2019	2020	2021	2022	2023		
Planning								
Acquisition-Land								
Design	9							9
Construction	1,016	18,115					18,115	19,131
Equipment Acquisition								
Salary Recovery								
Other								
Total Allocation	1,025	18,115					18,115	19,140
Source of Funds								
8011 - HAS-Airports Improvement	1,025	18,115					18,115	19,140
Total Funds	1,025	18,115					18,115	19,140

2019-2023 CAPITAL IMPROVEMENT PLAN (\$ Thousands)
CITY OF HOUSTON - AVIATION FACILITIES

Project: Non-Standard FAA Taxiways at HOU WILLIAM P. HOBBY AIRPORT		Project No.		A-000527		
Project Description						
Rehabilitation of Taxiway D, E, K1, J and C.		City Council District				
		Location	I	Address Descr 2:		
		Served:	CITYWIDE	Zip Codes:	77061	
		Key Map:		Category:		
Location Code: UA-00		Sub-Category:				
Project Justification						
Taxiway E is the primary taxiway from the international terminal and the adjacent to runway 12R and adjacent domestic Concourse. Rehabilitation of D and E is to match with the Federal Aviation Administration (FAA) guidelines for intersection of taxiway and runway.		Units:	0			
		Start Year:				
		RCC Total	\$	RCA Total	\$	

Project Allocation	Previous Appropriations						2019-2023	Project Total
		2019	2020	2021	2022	2023		
Planning								
Acquisition-Land								
Design								
Construction				13,905			13,905	13,905
Equipment Acquisition								
Salary Recovery								
Other								
Total Allocation			13,905				13,905	13,905
Source of Funds								
8011 - HAS-Airports Improvement			3,476				3,476	3,476
FAA/AIP			10,429				10,429	10,429
Total Funds			13,905				13,905	13,905

2019-2023 CAPITAL IMPROVEMENT PLAN (\$ Thousands)
CITY OF HOUSTON - AVIATION FACILITIES

Project: LA for HOU-FPA/PINPOINT HOBBY, LLC HOUSTON AIRPORT SYSTEM(IAH-HOU-EFD)		Project No.		A-000528		
Project Description						
Purchase land for Federally Mandated Runway Protection Zone (RPZ).		City Council District				
		Location	B,E,I	Address Descr 2:		
		Served:	CITYWIDE	Zip Codes:		
		Key Map:		Category:		
Location Code: UA-00		Sub-Category:				
Project Justification						
Land will be used in a variety of ways to accommodate the expansion of Hobby Airport. This includes Runway Protection Zones, expansion of runways, new parking lots, heliports, cargo areas, etc.		Units:	0			
		Start Year:	2018			
		RCC Total	\$	RCA Total	\$	

Project Allocation	Previous Appropriations						2019-2023	Project Total
		2019	2020	2021	2022	2023		
Planning								
Acquisition-Land	1,860	2,700					2,700	4,560
Design								
Construction								
Equipment Acquisition								
Salary Recovery								
Other								
Total Allocation	1,860	2,700					2,700	4,560
Source of Funds								
8011 - HAS-Airports Improvement	1,860	2,700					2,700	4,560
Total Funds	1,860	2,700					2,700	4,560

2019-2023 CAPITAL IMPROVEMENT PLAN (\$ Thousands)
CITY OF HOUSTON - AVIATION FACILITIES

Project: SMGCS LGHTG & Markings - FIS Expansion WILLIAM P. HOBBY AIRPORT		Project No.		A-000543																									
Project Description Lighting system for air carriers to navigate to terminal building in inclement weather; install low visibility lighting and markings.																													
City Council District <table border="1"> <tr> <td>Location</td> <td>I</td> <td colspan="2">Address Descr 2:</td> <td colspan="2"></td> </tr> <tr> <td>Served:</td> <td>CITYWIDE</td> <td>Zip Codes:</td> <td colspan="3">77061</td> </tr> <tr> <td>Key Map:</td> <td colspan="2"></td> <td>Category:</td> <td colspan="2"></td> </tr> <tr> <td>Location Code:</td> <td>UA-00</td> <td colspan="2">Sub-Category:</td> <td colspan="2"></td> </tr> </table>						Location	I	Address Descr 2:				Served:	CITYWIDE	Zip Codes:	77061			Key Map:			Category:			Location Code:	UA-00	Sub-Category:			
Location	I	Address Descr 2:																											
Served:	CITYWIDE	Zip Codes:	77061																										
Key Map:			Category:																										
Location Code:	UA-00	Sub-Category:																											
Project Justification For safe navigation of taxiing aircraft in low visibility condition.																													
Units: 0 Start Year: RCC Total \$ RCA Total \$																													

Project Allocation	Previous Appropriations						2019-2023	Project Total
		2019	2020	2021	2022	2023		
Planning								
Acquisition-Land								
Design		120					120	120
Construction		1,080					1,080	1,080
Equipment Acquisition								
Salary Recovery								
Other								
Total Allocation		1,200					1,200	1,200
Source of Funds								
8011 - HAS-Airports Improvement		1,200					1,200	1,200
Total Funds		1,200					1,200	1,200

2019-2023 CAPITAL IMPROVEMENT PLAN (\$ Thousands)
CITY OF HOUSTON - AVIATION FACILITIES

Project: COMMON USE TICKET & GATE CHECK-IN SYS HOUSTON AIRPORT SYSTEM(IAH-HOU-EFD)		Project No.		A-000558		
Project Description						
Migrate from airline club-based common use terminal equipment (CUTE) environment to HAS-managed contract. HAS and airline partners will select new common use provider through RFP process.		City Council District				
		Location	B,E,I	Address Descr 2:		
		Served:	CITYWIDE	Zip Codes:		
		Key Map:		Category:		
Location Code:	UA-00	Sub-Category:				
Project Justification						
HAS is expanding common use configurations to maximize flexibility of gates and ticket counters scheduling beyond IAH Terminal D to other IAH Terminals and Hobby Airport. This will enable HAS to accommodate new air carriers.		Units:	0			
		Start Year:				
		RCC Total	\$	RCA Total	\$	

Project Allocation	Previous Appropriations						2019-2023	Project Total
		2019	2020	2021	2022	2023		
Planning								
Acquisition-Land								
Design								
Construction								
Equipment Acquisition								
Salary Recovery								
Other				1,277			1,277	1,277
Total Allocation			1,277				1,277	1,277
Source of Funds								
8011 - HAS-Airports Improvement			1,277				1,277	1,277
Total Funds			1,277				1,277	1,277

2019-2023 CAPITAL IMPROVEMENT PLAN (\$ Thousands)
CITY OF HOUSTON - AVIATION FACILITIES

Project: Wayfinding Garage Facilities -IAH/HOU HOUSTON AIRPORT SYSTEM(IAH-HOU-EFD)		Project No.		A-000572	
Project Description					
Wayfinding system for all IAH and HOU garage parking facilities.		City Council District			
		Location	B,E,I	Address Descr 2:	
		Served:	CITYWIDE	Zip Codes:	
		Key Map:		Category:	
		Location Code:	UA-00	Sub-Category:	
Project Justification					
Current wayfinding signs are deficient causing frustration to our customers.		Units:	0		
		Start Year:			
		RCC Total	\$	RCA Total	\$

Project Allocation	Previous Appropriations						2019-2023	Project Total
		2019	2020	2021	2022	2023		
Planning								
Acquisition-Land								
Design								
Construction		2,500					2,500	2,500
Equipment Acquisition								
Salary Recovery								
Other								
Total Allocation		2,500					2,500	2,500
Source of Funds								
8011 - HAS-Airports Improvement		2,500					2,500	2,500
Total Funds		2,500					2,500	2,500

2019-2023 CAPITAL IMPROVEMENT PLAN (\$ Thousands)
CITY OF HOUSTON - AVIATION FACILITIES

Project: Taxiway M Rehab WILLIAM P. HOBBY AIRPORT	Project No.	A-000574																											
Project Description																													
Reconstruction of asphalt taxiway M to concrete. It replaces deteriorating taxiway pavement.																													
<table border="1"> <tr> <td colspan="2">City Council District</td> <td colspan="3"></td> </tr> <tr> <td>Location</td> <td>I</td> <td>Address Descr 2:</td> <td colspan="2"></td> </tr> <tr> <td>Served:</td> <td>CITYWIDE</td> <td>Zip Codes:</td> <td colspan="2">77061</td> </tr> <tr> <td>Key Map:</td> <td colspan="3">Category:</td> <td></td> </tr> <tr> <td>Location Code:</td> <td>UA-00</td> <td>Sub-Category:</td> <td colspan="2"></td> </tr> </table>					City Council District					Location	I	Address Descr 2:			Served:	CITYWIDE	Zip Codes:	77061		Key Map:	Category:				Location Code:	UA-00	Sub-Category:		
City Council District																													
Location	I	Address Descr 2:																											
Served:	CITYWIDE	Zip Codes:	77061																										
Key Map:	Category:																												
Location Code:	UA-00	Sub-Category:																											
Project Justification																													
Taxiway M will be the primary taxi route from Runway 12R-30L when reconstruction of Runway 12L-30R occurs. <table border="1"> <tr> <td>Units:</td> <td>0</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Start Year:</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>RCC Total</td> <td>\$</td> <td>RCA Total</td> <td>\$</td> <td></td> </tr> </table>					Units:	0				Start Year:					RCC Total	\$	RCA Total	\$											
Units:	0																												
Start Year:																													
RCC Total	\$	RCA Total	\$																										

Project Allocation	Previous Appropriations						2019-2023	Project Total
		2019	2020	2021	2022	2023		
Planning								
Acquisition-Land								
Design						1,765	1,765	1,765
Construction								
Equipment Acquisition								
Salary Recovery								
Other								
Total Allocation						1,765	1,765	1,765
Source of Funds								
8011 - HAS-Airports Improvement						1,765	1,765	1,765
Total Funds						1,765	1,765	1,765

2019-2023 CAPITAL IMPROVEMENT PLAN (\$ Thousands)
CITY OF HOUSTON - AVIATION FACILITIES

Project: Modify N Electrical Vault and Misc. Elec WILLIAM P. HOBBY AIRPORT		Project No.	A-000576		
Project Description					
This project is to integrate North vault with South vault circuits enlarging vaults for IT and generators, provide upgrades to airfield electrical to close loop to infrastructure.		City Council District			
		Location	I	Address Descr 2:	
		Served:	CITYWIDE	Zip Codes:	77061
		Key Map:		Category:	
Location Code:	UA-00	Sub-Category:			
Project Justification					
South vault and North vault operations create maintenance complexity. Airfield infrastructure like duct banks and aging circuits need to be upgraded, which were not covered under runway upgrades.		Units:	0		
		Start Year:			
		RCC Total	\$	RCA Total	\$

Project Allocation	Previous Appropriations						2019-2023	Project Total
		2019	2020	2021	2022	2023		
Planning								
Acquisition-Land								
Design						563	563	563
Construction								
Equipment Acquisition								
Salary Recovery								
Other								
Total Allocation						563	563	563
Source of Funds								
8011 - HAS-Airports Improvement						563	563	563
Total Funds						563	563	563

2019-2023 CAPITAL IMPROVEMENT PLAN (\$ Thousands)
CITY OF HOUSTON - AVIATION FACILITIES

Project: Hobby Drainage & Roadway Flooding - HOU WILLIAM P. HOBBY AIRPORT		Project No.		A-000580		
Project Description						
This project will provide drainage improvements at Hobby Airport.		City Council District				
		Location	I	Address Descr 2:		
		Served:	CITYWIDE	Zip Codes:	77061	
		Key Map:		Category:		
Location Code:	UA-00	Sub-Category:				
Project Justification						
Flooding is a major problem at Hobby preventing passengers from arriving at the terminal to catch their flight.		Units:	0			
		Start Year:				
		RCC Total	\$	RCA Total	\$	

Project Allocation	Previous Appropriations						2019-2023	Project Total
		2019	2020	2021	2022	2023		
Planning								
Acquisition-Land								
Design								
Construction		3,245					3,245	3,245
Equipment Acquisition								
Salary Recovery								
Other								
Total Allocation		3,245					3,245	3,245
Source of Funds								
8011 - HAS-Airports Improvement		3,245					3,245	3,245
Total Funds		3,245					3,245	3,245

2019-2023 CAPITAL IMPROVEMENT PLAN (\$ Thousands)
CITY OF HOUSTON - AVIATION FACILITIES

Project: Terminal A Modernization Program GEORGE BUSH INTERCONTINENTAL AIRPORT		Project No.		A-000581		
Project Description						
Replace the existing Building Management System in Terminal A with a system to provide automated and scheduling management of energy-consuming systems such as Heating, Ventilation, Air Conditioning (HVAC), electrical and lighting distribution systems.		City Council District				
		Location	B	Address Descr 2:		
		Served:	CITYWIDE	Zip Codes:	77032	
		Key Map:		Category:		
Location Code: UA-00		Sub-Category:				
Project Justification						
The existing system provides no means for automated control of building systems, which negatively impacts customer service and limits the Airport's ability to implement energy conservation/cost reduction programs.		Units:	0			
		Start Year:				
		RCC Total	\$	RCA Total	\$	

Project Allocation	Previous Appropriations						2019-2023	Project Total
		2019	2020	2021	2022	2023		
Planning								
Acquisition-Land								
Design		12,793					12,793	12,793
Construction			61,812	61,076			122,888	122,888
Equipment Acquisition								
Salary Recovery								
Other								
Total Allocation		12,793	61,812	61,076			135,681	135,681
Source of Funds								
REV BONDS/CP		12,793	61,812	61,076			135,681	135,681
Total Funds		12,793	61,812	61,076			135,681	135,681

2019-2023 CAPITAL IMPROVEMENT PLAN (\$ Thousands)
CITY OF HOUSTON - AVIATION FACILITIES

Project: Rehabilitate and Expand ARFF Station-HAS HOUSTON AIRPORT SYSTEM(IAH-HOU-EFD)		Project No.		A-000590		
Project Description						
Rehabilitate and expand stations including new vehicles bays, dormitory space, training area and offices to support Aircraft Rescue and Fire Fighting.		City Council District				
		Location	B,E,I	Address Descr 2:		
		Served:	CITYWIDE	Zip Codes:		
		Key Map:		Category:		
Location Code: UA-00		Sub-Category:				
Project Justification						
ARFF Station 92 at IAH and 81 at HOU are over 20 years old. The station utilities are approaching their intended useful life and require replacement and upgrading.		Units:	0			
		Start Year:				
		RCC Total	\$	RCA Total	\$	

Project Allocation	Previous Appropriations						2019-2023	Project Total
		2019	2020	2021	2022	2023		
Planning								
Acquisition-Land								
Design		1,900		186			2,086	2,086
Construction			10,403	1,857			12,260	12,260
Equipment Acquisition								
Salary Recovery								
Other								
Total Allocation		1,900	10,403	2,043			14,346	14,346
Source of Funds								
8011 - HAS-Airports Improvement		1,900	10,403	2,043			14,346	14,346
Total Funds		1,900	10,403	2,043			14,346	14,346

2019-2023 CAPITAL IMPROVEMENT PLAN (\$ Thousands)
CITY OF HOUSTON - AVIATION FACILITIES

Project: Internal Signage at IAH & HOU HOUSTON AIRPORT SYSTEM(IAH-HOU-EFD)		Project No.		A-000599		
Project Description						
This project is to update the terminal signage and installation within the terminals at both IAH and HOU located at the Federal Inspection Station (FIS) and Terminals A and C at IAH.		City Council District				
		Location	B,E,I	Address Descr 2:		
		Served:	CITYWIDE	Zip Codes:		
		Key Map:		Category:		
Location Code: UA-00		Sub-Category:				
Project Justification						
The wayfinding signage that exists in the terminals is confusing, lacks consistency, and is outdated with multiple "families of signs" in some locations. The signs result in visual clutter with no benefit to the customer.		Units:	0			
		Start Year:				
		RCC Total	\$	RCA Total	\$	

Project Allocation	Previous Appropriations						2019-2023	Project Total
		2019	2020	2021	2022	2023		
Planning								
Acquisition-Land								
Design	350						350	350
Construction	1,500	1,545					3,045	3,045
Equipment Acquisition								
Salary Recovery								
Other								
Total Allocation		1,850	1,545				3,395	3,395
Source of Funds								
8011 - HAS-Airports Improvement		1,850	1,545				3,395	3,395
Total Funds		1,850	1,545				3,395	3,395

2019-2023 CAPITAL IMPROVEMENT PLAN (\$ Thousands)
CITY OF HOUSTON - AVIATION FACILITIES

Project: Infrastructure Staff Augmentation - HAS HOUSTON AIRPORT SYSTEM(IAH-HOU-EFD)		Project No.		A-000600																			
Project Description <p>The Infrastructure Staff Augmentation contract will allow for the placement of professional consultant staff in key positions within the division as needed to augment HAS staff.</p>																							
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City Council District																							
Location	B,E,I	Address Descr 2:																					
Served:	CITYWIDE	Zip Codes:																					
Key Map:		Category:																					
Location Code:	UA-00	Sub-Category:																					
Project Justification <p>The Infrastructure Division has outstanding staffing needs to maintain the minimum standard of operational excellence for project delivery. Proposed needs are for Project Managers, Design Managers, Contract Administrators, Schedulers, QA/QC Managers, Safety Administrators, Construction Inspectors, CAD Designers and Data Entry.</p>																							
Units:		0																					
Start Year:																							
RCC Total		\$	RCA Total		\$																		

Project Allocation	Previous Appropriations						2019-2023	Project Total
		2019	2020	2021	2022	2023		
Planning								
Acquisition-Land								
Design								
Construction								
Equipment Acquisition								
Salary Recovery								
Other		1,859	3,461	3,660	3,868	4,086	16,934	16,934
Total Allocation		1,859	3,461	3,660	3,868	4,086	16,934	16,934
Source of Funds								
8011 - HAS-Airports Improvement		1,859	3,461	3,660	3,868	4,086	16,934	16,934
Total Funds		1,859	3,461	3,660	3,868	4,086	16,934	16,934

2019-2023 CAPITAL IMPROVEMENT PLAN (\$ Thousands)
CITY OF HOUSTON - AVIATION FACILITIES

Project: On-Call Planning Services HOUSTON AIRPORT SYSTEM(IAH-HOU-EFD)		Project No.		A-000602		
Project Description						
The airport system facility concept development, impact studies, and assessments.		City Council District				
		Location	B,E,I	Address Descr 2:		
		Served:	CITYWIDE	Zip Codes:		
		Key Map:		Category:		
Location Code: UA-00		Sub-Category:				
Project Justification						
Project needed to provide cost effective, timely options and decisions responding to dynamic changes in airline businesses and their impact on airport facilities and management.		Units:	0			
		Start Year:	2018			
		RCC Total	\$	RCA Total	\$	

Project Allocation	Previous Appropriations						2019-2023	Project Total
		2019	2020	2021	2022	2023		
Planning	7,500							7,500
Acquisition-Land								
Design								
Construction								
Equipment Acquisition								
Salary Recovery								
Other		3,461	3,660	3,868	4,086	15,075	15,075	15,075
Total Allocation	7,500	3,461	3,660	3,868	4,086	15,075	15,075	22,575
Source of Funds								
8011 - HAS-Airports Improvement	7,500	3,461	3,660	3,868	4,086	15,075	15,075	22,575
Total Funds	7,500	3,461	3,660	3,868	4,086	15,075	15,075	22,575

2019-2023 CAPITAL IMPROVEMENT PLAN (\$ Thousands)
CITY OF HOUSTON - AVIATION FACILITIES

Project: Parking Garage Rehab at Terminals -GBIAH GEORGE BUSH INTERCONTINENTAL AIRPORT		Project No.		A-000605	
Project Description					
Replace stairs with steel frame stairwells and replace surface membrane in the parking garage.		City Council District			
		Location	B	Address Descr 2:	
		Served:	CITYWIDE	Zip Codes:	77032
		Key Map:		Category:	
		Location Code:	UA-00	Sub-Category:	
Project Justification					
This is a safety issue and customer service issue.		Units:	0		
		Start Year:			
		RCC Total	\$	RCA Total	\$

Project Allocation	Previous Appropriations						2019-2023	Project Total
		2019	2020	2021	2022	2023		
Planning								
Acquisition-Land								
Design								
Construction						1,566	1,566	1,566
Equipment Acquisition								
Salary Recovery								
Other								
Total Allocation						1,566	1,566	1,566
Source of Funds								
8011 - HAS-Airports Improvement						1,566	1,566	1,566
Total Funds						1,566	1,566	1,566

2019-2023 CAPITAL IMPROVEMENT PLAN (\$ Thousands)
CITY OF HOUSTON - AVIATION FACILITIES

Project: DATA CENTER - HAS HOUSTON AIRPORT SYSTEM(IAH-HOU-EFD)		Project No.		A-000608		
Project Description						
Data center for Network and Cloud Redundancy		City Council District				
		Location	B,E,I	Address Descr 2:		
		Served:	CITYWIDE	Zip Codes:		
		Key Map:		Category:		
Location Code:	UA-00	Sub-Category:				
Project Justification						
Safety and Security of Important Information		Units:	0			
		Start Year:				
		RCC Total	\$	RCA Total	\$	

Project Allocation	Previous Appropriations						2019-2023	Project Total
		2019	2020	2021	2022	2023		
Planning								
Acquisition-Land								
Design								
Construction				3,193			3,193	3,193
Equipment Acquisition								
Salary Recovery								
Other								
Total Allocation				3,193			3,193	3,193
Source of Funds								
8011 - HAS-Airports Improvement				3,193			3,193	3,193
Total Funds				3,193			3,193	3,193

2019-2023 CAPITAL IMPROVEMENT PLAN (\$ Thousands)
CITY OF HOUSTON - AVIATION FACILITIES

Project: PN900 .01 Public WIFI Servs & Equip HOUSTON AIRPORT SYSTEM(IAH-HOU-EFD)		Project No.		A-000612		
Project Description						
Additional equipment / services needed to support current Public Wi-Fi System		City Council District				
		Location	B,E,I	Address Descr 2:		
		Served:	CITYWIDE	Zip Codes:		
		Key Map:		Category:		
Location Code: UA-00		Sub-Category:				
Project Justification						
Customer Services		Units:	0			
		Start Year:	2018			
		RCC Total	\$	RCA Total	\$	

Project Allocation	Previous Appropriations						2019-2023	Project Total
		2019	2020	2021	2022	2023		
Planning								
Acquisition-Land								
Design								
Construction								
Equipment Acquisition								
Salary Recovery								
Other	608	608					608	1,216
Total Allocation	608	608					608	1,216
Source of Funds								
8011 - HAS-Airports Improvement	608	608					608	1,216
Total Funds	608	608					608	1,216

2019-2023 CAPITAL IMPROVEMENT PLAN (\$ Thousands)
CITY OF HOUSTON - AVIATION FACILITIES

Project: T-Hanger Ramp & Taxiway D Pavement		Project No.		A-000620																				
Project Description Asphalt pavement needs to be rejuvenated and resealed on the T-Hanger ramp and add shoulders to the Taxiway D.																								
<table border="1"> <tr> <td colspan="2">City Council District</td> </tr> <tr> <td>Location</td> <td>E</td> <td colspan="2">Address Descr 2:</td> </tr> <tr> <td>Served:</td> <td>CITYWIDE</td> <td>Zip Codes:</td> <td>77034</td> </tr> <tr> <td colspan="2">Key Map:</td> <td colspan="2">Category:</td> </tr> <tr> <td colspan="2">Location Code: UA-00</td> <td colspan="2">Sub-Category:</td> </tr> </table>						City Council District		Location	E	Address Descr 2:		Served:	CITYWIDE	Zip Codes:	77034	Key Map:		Category:		Location Code: UA-00		Sub-Category:		
City Council District																								
Location	E	Address Descr 2:																						
Served:	CITYWIDE	Zip Codes:	77034																					
Key Map:		Category:																						
Location Code: UA-00		Sub-Category:																						
Project Justification Airfield must be maintained in accordance with Federal Aviation Administration (FAA) guidelines.																								
<table border="1"> <tr> <td>Units:</td> <td>0</td> <td colspan="4"></td> </tr> <tr> <td>Start Year:</td> <td></td> <td colspan="4"></td> </tr> <tr> <td>RCC Total</td> <td>\$</td> <td>RCA Total</td> <td>\$</td> <td colspan="3"></td> </tr> </table>						Units:	0					Start Year:						RCC Total	\$	RCA Total	\$			
Units:	0																							
Start Year:																								
RCC Total	\$	RCA Total	\$																					

Project Allocation	Previous Appropriations						2019-2023	Project Total
		2019	2020	2021	2022	2023		
Planning								
Acquisition-Land								
Design								
Construction						1,463	1,463	1,463
Equipment Acquisition								
Salary Recovery								
Other								
Total Allocation						1,463	1,463	1,463
Source of Funds								
R&R						1,463	1,463	1,463
Total Funds						1,463	1,463	1,463

2019-2023 CAPITAL IMPROVEMENT PLAN (\$ Thousands)
CITY OF HOUSTON - AVIATION FACILITIES

Project: Public Addressing (PA) System HOUSTON AIRPORT SYSTEM(IAH-HOU-EFD)	Project No.	A-000621			
Project Description					
Project is to replace the core components of current PA system at IAH & HOU.		City Council District			
Location	B,E,I	Address Descr 2:			
Served:	CITYWIDE	Zip Codes:			
Key Map:		Category:			
Location Code:	UA-00	Sub-Category:			
Project Justification					
The current core components are aging and no longer practical to maintain public address functionality. It is the primary method of communication between airlines and passengers in gate holdroom areas. It is also one of the mechanisms for communicating information related to passenger safety and security.		Units:	0		
		Start Year:	2018		
		RCC Total	\$	RCA Total	\$

Project Allocation	Previous Appropriations						2019-2023	Project Total
		2019	2020	2021	2022	2023		
Planning								
Acquisition-Land								
Design								
Construction		1,338					1,338	1,338
Equipment Acquisition								
Salary Recovery								
Other	3,046							3,046
Total Allocation	3,046	1,338					1,338	4,384
Source of Funds								
8011 - HAS-Airports Improvement	3,046	1,338					1,338	4,384
Total Funds	3,046	1,338					1,338	4,384

2019-2023 CAPITAL IMPROVEMENT PLAN (\$ Thousands)
CITY OF HOUSTON - AVIATION FACILITIES

Project: Reworking Constr Taxiway WA/WB GEORGE BUSH INTERCONTINENTAL AIRPORT		Project No.		A-000622		
Project Description						
Reconstruct the pavement on taxiways in the West complex (mainly taxiway WA, WB, and the attached taxiways to Runway 15L-33R).		City Council District				
		Location	B	Address Descr 2:		
		Served:	CITYWIDE	Zip Codes:	77032	
		Key Map:		Category:		
Location Code: UA-00		Sub-Category:				
Project Justification						
Pavement is cracking.		Units:	0			
		Start Year:	2018			
		RCC Total	\$	RCA Total	\$	

Project Allocation	Previous Appropriations						2019-2023	Project Total
		2019	2020	2021	2022	2023		
Planning								
Acquisition-Land								
Design	3,063							3,063
Construction	383		56,650				56,650	57,033
Equipment Acquisition								
Salary Recovery								
Other								
Total Allocation	3,445		56,650				56,650	60,095
Source of Funds								
8011 - HAS-Airports Improvement	3,445		56,650				56,650	60,095
Total Funds	3,445		56,650				56,650	60,095

2019-2023 CAPITAL IMPROVEMENT PLAN (\$ Thousands)
CITY OF HOUSTON - AVIATION FACILITIES

Project: Term B Core & NO 480-Volt Distrib Sys GEORGE BUSH INTERCONTINENTAL AIRPORT		Project No.		A-000624																											
Project Description <p>The existing electrical service vault switchgear and 480-volt distribution systems serving the Terminal B Core and North concourses are operating well beyond anticipated service life. The equipment is obsolete with repair parts no longer being manufactured.</p>																															
<table border="1"> <tr> <td colspan="2">City Council District</td> </tr> <tr> <td>Location</td> <td>B</td> <td>Address Descr 2:</td> <td colspan="3"></td> </tr> <tr> <td>Served:</td> <td>CITYWIDE</td> <td>Zip Codes:</td> <td colspan="3">77032</td> </tr> <tr> <td>Key Map:</td> <td colspan="2"></td> <td>Category:</td> <td colspan="2"></td> </tr> <tr> <td>Location Code:</td> <td>UA-00</td> <td>Sub-Category:</td> <td colspan="3"></td> </tr> </table>						City Council District		Location	B	Address Descr 2:				Served:	CITYWIDE	Zip Codes:	77032			Key Map:			Category:			Location Code:	UA-00	Sub-Category:			
City Council District																															
Location	B	Address Descr 2:																													
Served:	CITYWIDE	Zip Codes:	77032																												
Key Map:			Category:																												
Location Code:	UA-00	Sub-Category:																													
Project Justification <p>This project funds the replacement of the service entrance switchgear and the 480-volt distribution systems within Terminal A North and South terminal concourses to maintain service reliability and adequate customer service.</p>																															
<table border="1"> <tr> <td>Units:</td> <td>0</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Start Year:</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>RCC Total</td> <td>\$</td> <td>RCA Total</td> <td>\$</td> <td></td> <td></td> </tr> </table>						Units:	0					Start Year:						RCC Total	\$	RCA Total	\$										
Units:	0																														
Start Year:																															
RCC Total	\$	RCA Total	\$																												

Project Allocation	Previous Appropriations						2019-2023	Project Total
		2019	2020	2021	2022	2023		
Planning								
Acquisition-Land								
Design								
Construction						23,861	23,861	23,861
Equipment Acquisition								
Salary Recovery								
Other								
Total Allocation						23,861	23,861	23,861
Source of Funds								
8011 - HAS-Airports Improvement						23,861	23,861	23,861
Total Funds						23,861	23,861	23,861

2019-2023 CAPITAL IMPROVEMENT PLAN (\$ Thousands)
CITY OF HOUSTON - AVIATION FACILITIES

Project: IAH Fleet Maintenance Building GEORGE BUSH INTERCONTINENTAL AIRPORT		Project No.		A-000625	
Project Description					
Build a new maintenance building fully air conditioned with efficient layout in addition to proper equipment.		City Council District			
		Location	B	Address Descr 2:	
		Served:	CITYWIDE	Zip Codes:	77032
		Key Map:		Category:	
		Location Code:	UA-00	Sub-Category:	
Project Justification					
This initiative is to ensure a safe working environment for FMD and HAS employees.		Units:	0		
		Start Year:			
		RCC Total	\$	RCA Total	\$

Project Allocation	Previous Appropriations						2019-2023	Project Total
		2019	2020	2021	2022	2023		
Planning								
Acquisition-Land								
Design								
Construction		4,371					4,371	4,371
Equipment Acquisition								
Salary Recovery								
Other								
Total Allocation		4,371					4,371	4,371
Source of Funds								
8011 - HAS-Airports Improvement		4,371					4,371	4,371
Total Funds		4,371					4,371	4,371

2019-2023 CAPITAL IMPROVEMENT PLAN (\$ Thousands)
CITY OF HOUSTON - AVIATION FACILITIES

Project: Term-A NO & SO Restroom Remodel GEORGE BUSH INTERCONTINENTAL AIRPORT		Project No.		A-000626		
Project Description						
Remodel and upgrade restrooms to improve the overall appearance of facilities and bring restrooms up to current codes and ADA requirements.		City Council District				
		Location	B	Address Descr 2:		
		Served:	CITYWIDE	Zip Codes:	77032	
		Key Map:		Category:		
Location Code: UA-00		Sub-Category:				
Project Justification						
Project will improve customer service, reduce customer and airline complaints, and improve overall appearance of the airport.		Units:	0			
		Start Year:				
		RCC Total	\$	RCA Total	\$	

Project Allocation	Previous Appropriations						2019-2023	Project Total
		2019	2020	2021	2022	2023		
Planning								
Acquisition-Land								
Design								
Construction			13,717				13,717	13,717
Equipment Acquisition								
Salary Recovery								
Other								
Total Allocation			13,717				13,717	13,717
Source of Funds								
8011 - HAS-Airports Improvement			13,717				13,717	13,717
Total Funds			13,717				13,717	13,717

2019-2023 CAPITAL IMPROVEMENT PLAN (\$ Thousands)
CITY OF HOUSTON - AVIATION FACILITIES

Project: On Call Technology Contract HOUSTON AIRPORT SYSTEM(IAH-HOU-EFD)		Project No.		A-000634		
Project Description						
On-call technology professional services contact provides the Project Management Office (PMO) with design, support, and hosting services to support both capital and operating expense technology initiatives.		City Council District				
		Location	B,E,I	Address Descr 2:		
		Served:	CITYWIDE	Zip Codes:		
		Key Map:		Category:		
Location Code: UA-00		Sub-Category:				
Project Justification						
On-Call contact is required to assist HAS in research, planning, design and implementation of technology initiatives.		Units:	0			
		Start Year:				
		RCC Total	\$	RCA Total	\$	

Project Allocation	Previous Appropriations						2019-2023	Project Total
		2019	2020	2021	2022	2023		
Planning								
Acquisition-Land								
Design								
Construction								
Equipment Acquisition								
Salary Recovery								
Other		4,500	1,200	1,236	1,273	1,311	9,520	9,520
Total Allocation		4,500	1,200	1,236	1,273	1,311	9,520	9,520
Source of Funds								
8011 - HAS-Airports Improvement		4,500	1,200	1,236	1,273	1,311	9,520	9,520
Total Funds		4,500	1,200	1,236	1,273	1,311	9,520	9,520

2019-2023 CAPITAL IMPROVEMENT PLAN (\$ Thousands)
CITY OF HOUSTON - AVIATION FACILITIES

Project: Communication Cabling Infrastructure HOUSTON AIRPORT SYSTEM(IAH-HOU-EFD)	Project No.	A-000635		
Project Description				
On-call communications cabling infrastructure services provide the ability to install additional inside and outside plant cabling, conduits, duct banks and related support and termination components.	City Council District			
	Location	B,E,I	Address Descr 2:	
	Served:	CITYWIDE	Zip Codes:	
	Key Map:		Category:	
Location Code:	UA-00	Sub-Category:		
Project Justification				
HAS has extensive communications infrastructure requirements throughout its facilities and campuses. This contact allows for periodic adds and changes of existing infrastructure. It is not intended to be used to supplement scope required by other capital projects.	Units:	0		
	Start Year:	2018		
	RCC Total	\$	RCA Total	\$

Project Allocation	Previous Appropriations						2019-2023	Project Total
		2019	2020	2021	2022	2023		
Planning								
Acquisition-Land								
Design								
Construction								
Equipment Acquisition								
Salary Recovery								
Other	1,237				1,934		1,934	3,171
Total Allocation	1,237				1,934		1,934	3,171
Source of Funds								
8011 - HAS-Airports Improvement	1,237				1,934		1,934	3,171
Total Funds	1,237				1,934		1,934	3,171

2019-2023 CAPITAL IMPROVEMENT PLAN (\$ Thousands)
CITY OF HOUSTON - AVIATION FACILITIES

Project: Parking Revenue Control System - HAS HOUSTON AIRPORT SYSTEM(IAH-HOU-EFD)	Project No.	A-000636		
Project Description				
Provide a new parking system to replace the Amano McGann system currently in place. Project includes hardware and software to receive and process all the revenues for parking for all parking facilities.	City Council District			
	Location	B,E,I	Address Descr 2:	
	Served:	CITYWIDE	Zip Codes:	
	Key Map:		Category:	
Location Code:	UA-00	Sub-Category:		
Project Justification				
The parking and revenue control equipment currently being used is over 13 years old and while HAS kept current with software updates, the hardware is outdated and some of the software functionality needed to provide better customer service is not supported by the current hardware.	Units:	0		
	Start Year:			
	RCC Total	\$	RCA Total	\$

Project Allocation	Previous Appropriations						2019-2023	Project Total
		2019	2020	2021	2022	2023		
Planning								
Acquisition-Land								
Design								
Construction								
Equipment Acquisition								
Salary Recovery								
Other				11,691			11,691	11,691
Total Allocation			11,691				11,691	11,691
Source of Funds								
8011 - HAS-Airports Improvement			11,691				11,691	11,691
Total Funds			11,691				11,691	11,691

2019-2023 CAPITAL IMPROVEMENT PLAN (\$ Thousands)
CITY OF HOUSTON - AVIATION FACILITIES

Project: Relocation of RTR - HOU WILLIAM P. HOBBY AIRPORT		Project No.		A-000637		
Project Description						
Relocation of FAA RTR antenna and ASO (Automated Surface Observing Systems) weather sensor on the airfield due to future hanger developments.		City Council District				
		Location	I	Address Descr 2:		
		Served:	CITYWIDE	Zip Codes:	77061	
		Key Map:		Category:		
Location Code: UA-00		Sub-Category:				
Project Justification						
Mandated by Federal Aviation Administration (FAA).		Units:	0			
		Start Year:	2018			
		RCC Total	\$	RCA Total	\$	

Project Allocation	Previous Appropriations						2019-2023	Project Total
		2019	2020	2021	2022	2023		
Planning								
Acquisition-Land								
Design	507							507
Construction	3,211							3,211
Equipment Acquisition								
Salary Recovery								
Other		49					49	49
Total Allocation	3,718	49					49	3,767
Source of Funds								
8011 - HAS-Airports Improvement	3,718	49					49	3,767
Total Funds	3,718	49					49	3,767

2019-2023 CAPITAL IMPROVEMENT PLAN (\$ Thousands)
CITY OF HOUSTON - AVIATION FACILITIES

Project: MISC AIRPORT PROJECT HOUSTON AIRPORT SYSTEM(IAH-HOU-EFD)		Project No.		A-000656		
Project Description						
MISC Airport Projects		City Council District				
		Location	B,E,I	Address Descr 2:		
		Served:	CITYWIDE	Zip Codes:		
		Key Map:		Category:		
Location Code: UA-00		Sub-Category:				
Project Justification						
Maintain airport infrastructure		Units:	0			
		Start Year:				
		RCC Total	\$	RCA Total	\$	

Project Allocation	Previous Appropriations						2019-2023	Project Total
		2019	2020	2021	2022	2023		
Planning								
Acquisition-Land								
Design								
Construction								
Equipment Acquisition								
Salary Recovery								
Other		12,000					12,000	12,000
Total Allocation		12,000					12,000	12,000
Source of Funds								
REV BONDS/CP		12,000					12,000	12,000
Total Funds		12,000					12,000	12,000

2019-2023 CAPITAL IMPROVEMENT PLAN (\$ Thousands)
CITY OF HOUSTON - AVIATION FACILITIES

Project: Executive Program Manager Services-ITRP GEORGE BUSH INTERCONTINENTAL AIRPORT		Project No.		A-000800																															
Project Description <p>The IAH Terminal Redevelopment Program (ITRP) includes: Mickey Leland International Terminal (MLIT); New Term C North (NCN) and Ramp Pavement; Underground Utilities and Oval north of the ramp adjacent to Taxiway NA/NB; Term B-D Connector bldg; Enabling Utilities; Program Mgmt Office Bldg.; East Aircraft Parking Hardstand; Roadway Rehab.</p>																																			
<table border="1"> <tr> <td colspan="2">City Council District</td> <td colspan="4"></td> </tr> <tr> <td>Location</td> <td>B</td> <td colspan="2">Address Descr 2:</td> <td colspan="2"></td> </tr> <tr> <td>Served:</td> <td>CITYWIDE</td> <td>Zip Codes:</td> <td colspan="3">77032</td> </tr> <tr> <td>Key Map:</td> <td></td> <td>Category:</td> <td colspan="3"></td> </tr> <tr> <td>Location Code:</td> <td>UA-00</td> <td>Sub-Category:</td> <td colspan="3"></td> </tr> </table>						City Council District						Location	B	Address Descr 2:				Served:	CITYWIDE	Zip Codes:	77032			Key Map:		Category:				Location Code:	UA-00	Sub-Category:			
City Council District																																			
Location	B	Address Descr 2:																																	
Served:	CITYWIDE	Zip Codes:	77032																																
Key Map:		Category:																																	
Location Code:	UA-00	Sub-Category:																																	
Project Justification <p>This capital development program is designed to modernize and expand the Mickey Leland International Terminal (MLIT), to include current day Terminal C North, and Terminal D at IAH. The project may also include renovation and reconfiguration of the existing Federal Inspection Station Facility and construction of an expanded parking garage.</p>																																			
<table border="1"> <tr> <td>Units:</td> <td>0</td> <td colspan="4"></td> </tr> <tr> <td>Start Year:</td> <td>2018</td> <td colspan="4"></td> </tr> <tr> <td>RCC Total</td> <td>\$</td> <td>RCA Total</td> <td>\$</td> <td colspan="3"></td> </tr> </table>		Units:	0					Start Year:	2018					RCC Total	\$	RCA Total	\$																		
Units:	0																																		
Start Year:	2018																																		
RCC Total	\$	RCA Total	\$																																

Project Allocation	Previous Appropriations						2019-2023	Project Total
		2019	2020	2021	2022	2023		
Planning	63,886							63,886
Acquisition-Land								
Design								0
Construction	110,079	407,995	368,270	41,841			818,106	928,185
Equipment Acquisition								
Salary Recovery								
Other		24,750	18,000	10,666	1,639		55,055	55,055
Total Allocation	173,966	432,745	386,270	52,507	1,639		873,161	1,047,127
Source of Funds								
8011 - HAS-Airports Improvement	173,966	6,500	2,742	41,841			51,083	225,049
REV BONDS/CP		426,245	383,528	10,666	1,639		822,078	822,078
Total Funds	173,966	432,745	386,270	52,507	1,639		873,161	1,047,127



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