
FIRE PROTECTION FACILITIES 2024-2028 CAPITAL IMPROVEMENT PLAN

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2024-2028 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - FIRE PROTECTION FACILITIES

Project: Fire Station 40 Replacement 5830 OLD SPANISH TRAIL	Project No.	C-000181	
Project Description			
Construction of a new 3-bay fire station will relieve over-extended resources by increasing the potential to add additional resources for the growing population and high emergency call volume and increase living area and equipment storage – thereby providing a safer and healthier living environment for firefighters.	City Council District		
	Location	I	Address Descr 2:
	Served:	I	Zip Codes: 77071
	Key Map:		Category:
	Location Code: FD-540		Sub-Category:
Project Justification			
Fire Station #40 is amongst the busiest stations in the City of Houston's southeast side. It serves the Lawndale community which is continuously growing in population and emergency service call volume. The fire station currently has 2 bays with limited resources and living capacity to meet the needs of the community.	Units:	0	
	Start Year:	2016	
	RCC Total	\$	RCA Total \$

Project Allocation						2024-2028
	2024	2025	2026	2027	2028	
Planning						
Acquisition-Land	2,530	368	3,527			6,425
Design		1,408				1,408
Construction			11,129			11,129
Equipment Acquisition						
Salary Recovery						
Other		25	198			223
Total Allocation	2,530	1,801	14,854			19,185
Source of Funds						
4500 - Fire Consolidated Construction Fund	2,530	1,801	14,854			19,185
Total Funds	2,530	1,801	14,854			19,185

2024-2028 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - FIRE PROTECTION FACILITIES

Project: Fire Station 31 Renovation 222 CROSSTIMBERS ST.	Project No.		C-000195	
Project Description				
Interior will be demolished and re-designed for better use of space. Walls, electrical, plumbing, mechanical, flooring, ceilings, millwork, appliances, furniture, carbon monoxide exhaust system, overhead doors with operators, security systems, IT/radio communication system will be replaced.	City Council District			
	Location	H	Address Descr 2:	
	Served:	H	Zip Codes:	77018
	Key Map:		Category:	
	Location Code:	FD-531	Sub-Category:	
Project Justification				
The City of Houston initiated a facility condition assessment of all City owned buildings, including all Fire Department facilities. The results of the assessment identified numerous deficiencies that require immediate attention pertaining to life-safety, code compliance or environmental issues.	Units:	0		
	Start Year:	2023		
	RCC Total	\$	RCA Total	\$

Project Allocation						2024-2028
	2024	2025	2026	2027	2028	
Planning						
Acquisition-Land						
Design						
Construction	1,632					1,632
Equipment Acquisition						
Salary Recovery						
Other						
Total Allocation	1,632					1,632
Source of Funds						
4500 - Fire Consolidated Construction Fund	1,632					1,632
Total Funds	1,632					1,632

2024-2028 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - FIRE PROTECTION FACILITIES

Project: Fire Station 16 Renovation 1700 RICHMOND AVE.	Project No.		C-000196	
Project Description				
Interior will be demolished and re-designed for better use of space. Walls, electrical, plumbing, mechanical, flooring, ceilings, millwork, appliances, furniture, carbon monoxide exhaust system, overhead doors with operators, security systems, IT/radio communication system will be replaced.	City Council District			
	Location	C	Address Descr 2:	
	Served:	C	Zip Codes:	77098
	Key Map:		Category:	
	Location Code:	FD-516	Sub-Category:	
Project Justification				
The City of Houston initiated a facility condition assessment of all City owned buildings, including all Fire Department facilities. The results of the assessment identified numerous deficiencies that require immediate attention pertaining to life safety, code compliance or environmental issues.	Units:	0		
	Start Year:	2023		
	RCC Total	\$	RCA Total	\$

Project Allocation						2024-2028
	2024	2025	2026	2027	2028	
Planning						
Acquisition-Land						
Design						
Construction	639					639
Equipment Acquisition						
Salary Recovery						
Other						
Total Allocation	639					639
Source of Funds						
4500 - Fire Consolidated Construction Fund	639					639
Total Funds	639					639

2024-2028 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - FIRE PROTECTION FACILITIES

Project: Fire Station 64 Renovation 3000 GREENS RD	Project No.		C-000200	
Project Description				
Interior will be demolished and re-designed for better use of space. Walls, electrical, plumbing, mechanical, flooring, ceilings, millwork, appliances, furniture, carbon monoxide exhaust system, overhead doors with operators, security systems, IT/radio communication system will be replaced.	City Council District			
	Location	B	Address Descr 2:	
	Served:	B	Zip Codes:	77032
	Key Map:		Category:	
	Location Code:	FD-691	Sub-Category:	
Project Justification				
The City of Houston initiated a facility condition assessment of all City owned buildings, including all Fire Department facilities. The results of the assessment identified numerous deficiencies that require immediate attention pertaining to life safety, code compliance or environmental issues.	Units:	0		
	Start Year:	2023		
	RCC Total	\$	RCA Total	\$

Project Allocation						2024-2028
	2024	2025	2026	2027	2028	
Planning						
Acquisition-Land						
Design		1,204				1,204
Construction			4,355			4,355
Equipment Acquisition						
Salary Recovery						
Other		6	78			84
Total Allocation		1,210	4,433			5,643
Source of Funds						
4500 - Fire Consolidated Construction Fund		1,210	4,433			5,643
Total Funds		1,210	4,433			5,643

2024-2028 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - FIRE PROTECTION FACILITIES

Project: Fire Station 19 Renovation 1811 GREGG ST.	Project No.		C-000203	
Project Description				
Interior will be demolished and re-designed for better use of space. Walls, electrical, plumbing, mechanical, flooring, ceilings, millwork, appliances, furniture, carbon monoxide exhaust system, overhead doors with operators, security systems, IT/radio communication system will be replaced.	City Council District			
	Location	B	Address Descr 2:	
	Served:	B	Zip Codes:	77020
	Key Map:		Category:	
	Location Code:	FD-691	Sub-Category:	
Project Justification				
The City of Houston initiated a facility condition assessment of all City owned buildings, including all Fire Department facilities. The results of the assessment identified numerous deficiencies that require immediate attention - pertaining to life-safety, code compliance or environmental issues.	Units:	0		
	Start Year:	2023		
	RCC Total	\$	RCA Total	\$

Project Allocation						2024-2028
	2024	2025	2026	2027	2028	
Planning						
Acquisition-Land						
Design						
Construction	1,158					1,158
Equipment Acquisition						
Salary Recovery						
Other						
Total Allocation	1,158					1,158
Source of Funds						
4500 - Fire Consolidated Construction Fund	1,158					1,158
Total Funds	1,158					1,158

2024-2028 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - FIRE PROTECTION FACILITIES

Project: Fire Station 55 Replacement 11000 CULLEN BLVD.	Project No.		C-000206	
Project Description				
Construction of a new 5-bay fire station will relieve over-extended resources by increasing the potential to add additional resources for the growing population and high emergency call volume and increase living area and equipment storage thereby providing a safer and healthier living environment for firefighters.	City Council District			
	Location	D	Address Descr 2:	
	Served:	D	Zip Codes:	77046
	Key Map:		Category:	
	Location Code:	FD-555	Sub-Category:	
Project Justification				
Fire Station 55 that serves the South Acres community cannot meet the needs of a steadily increasing emergency service call volume. The Fire Station currently is running a second EMS transport unit from the rear of the station. The station is limited in living space, parking, sleeping quarters, and equipment storage area.	Units:	0		
	Start Year:	2023		
	RCC Total	\$	RCA Total	\$

Project Allocation						2024-2028
	2024	2025	2026	2027	2028	
Planning						
Acquisition-Land						
Design						
Construction	309					309
Equipment Acquisition						
Salary Recovery						
Other						
Total Allocation	309					309
Source of Funds						
4500 - Fire Consolidated Construction Fund	309					309
Total Funds	309					309

2024-2028 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - FIRE PROTECTION FACILITIES

Project: HVAC Replacements VARIOUS LOCATIONS	Project No.		C-000217	
Project Description				
Start an annual HVAC program to replace, renovate, or repair HVAC systems.	City Council District			
	Location	VARIOUS	Address Descr 2:	
	Served:	VARIOUS	Zip Codes:	
	Key Map:		Category:	
	Location Code:	FD-691	Sub-Category:	
Project Justification				
Many HVAC systems throughout HFD have operated beyond their expected life and can no longer maintain a safe, comfortable working environment.	Units:	0		
	Start Year:	2023		
	RCC Total	\$	RCA Total	\$

Project Allocation						2024-2028
	2024	2025	2026	2027	2028	
Planning						
Acquisition-Land						
Design						
Construction						
Equipment Acquisition	550	550	550	250	1,000	2,900
Salary Recovery						
Other						
Total Allocation	550	550	550	250	1,000	2,900
Source of Funds						
1800 - Equipment Acquisition Consolidated Fund	550	550	550	250	1,000	2,900
Total Funds	550	550	550	250	1,000	2,900

2024-2028 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - FIRE PROTECTION FACILITIES

Project: Fire Station 80 Renovation 16111 CHIMNEY ROCK	Project No.		C-000222	
Project Description				
Interior will be demolished and re-designed for better use of space. Walls, electrical, plumbing, mechanical, flooring, ceilings, millwork, appliances, furniture, carbon monoxide exhaust system, overhead doors with operators, security systems, IT/radio communication system will be replaced.	City Council District			
	Location	K	Address Descr 2:	
	Served:	K	Zip Codes:	77489
	Key Map:		Category:	
	Location Code:	FD-691	Sub-Category:	
Project Justification				
The City of Houston initiated a facility condition assessment of all City owned buildings, including all Fire Department facilities. The results of the assessment identified numerous deficiencies that require immediate attention pertaining to life safety, code compliance or environmental issues.	Units:	0		
	Start Year:			
	RCC Total	\$	RCA Total	\$

Project Allocation						2024-2028
	2024	2025	2026	2027	2028	
Planning						
Acquisition-Land						
Design		1,001				1,001
Construction			8,678			8,678
Equipment Acquisition						
Salary Recovery						
Other		5	47			52
Total Allocation		1,006	8,725			9,731
Source of Funds						
4500 - Fire Consolidated Construction Fund		1,006	8,725			9,731
Total Funds		1,006	8,725			9,731

2024-2028 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - FIRE PROTECTION FACILITIES

Project: Fire Station Security VARIOUS LOCATIONS	Project No.		C-000224	
Project Description				
Purchase and install electric access gates with Opticom's and cameras for each fire station thereby increasing security for HFD and Municipal workers.	City Council District			
	Location	CITYWIDE	Address Descr 2:	
	Served:	CITYWIDE	Zip Codes:	
	Key Map:		Category:	
	Location Code:	FD-691	Sub-Category:	
Project Justification				
The intent of this program is to improve the security of the HFD/ Municipal workforce by better securing city property with electric keypad access gates and cameras. This funding will be for all HFD fire stations where city vehicles are parked, have fuel islands and that are in high crime areas.	Units:	0		
	Start Year:	2023		
	RCC Total	\$	RCA Total	\$

Project Allocation						2024-2028
	2024	2025	2026	2027	2028	
Planning						
Acquisition-Land						
Design						
Construction					500	500
Equipment Acquisition						
Salary Recovery						
Other						
Total Allocation					500	500
Source of Funds						
1800 - Equipment Acquisition Consolidated Fund					500	500
Total Funds					500	500

2024-2028 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - FIRE PROTECTION FACILITIES

Project: Fire Station 102 Renovation & Addition 4102 W LAKE HOUSTON PKWY		Project No.		C-000234	
Project Description					
Interior will be demolished and re-designed for better use of space. Walls, electrical, plumbing, mechanical, flooring, ceilings, millwork, appliances, furniture, carbon monoxide exhaust system, overhead doors with operators, security systems, IT/radio communication system will be replaced.		City Council District			
		Location	E	Address Descr 2:	
		Served:	E	Zip Codes:	77345
		Key Map:		Category:	
		Location Code:	FD-691	Sub-Category:	
Project Justification					
The City of Houston initiated a facility condition assessment of all City owned buildings, including all Fire Department facilities. The results of the assessment identified numerous deficiencies that require immediate attention pertaining to life safety, code compliance or environmental issues.		Units:	0		
		Start Year:			
		RCC Total	\$	RCA Total	\$

Project Allocation						2024-2028
	2024	2025	2026	2027	2028	
Planning						
Acquisition-Land						
Design					1,428	1,428
Construction					1,068	1,068
Equipment Acquisition						
Salary Recovery						
Other						
Total Allocation					2,496	2,496
Source of Funds						
4500 - Fire Consolidated Construction Fund					2,496	2,496
Total Funds					2,496	2,496

2024-2028 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - FIRE PROTECTION FACILITIES

Project: Fire Facilities Paving VARIOUS LOCATIONS	Project No.		C-000238	
Project Description				
Patch or replace paving/concrete at various HFD facilities.	City Council District			
	Location	CITYWIDE	Address Descr 2:	
	Served:	CITYWIDE	Zip Codes:	
	Key Map:		Category:	
	Location Code:	FD-691	Sub-Category:	
Project Justification				
Various HFD facilities have severe paving/concrete issues.	Units:	0		
	Start Year:	2023		
	RCC Total	\$	RCA Total	\$

Project Allocation						2024-2028
	2024	2025	2026	2027	2028	
Planning						
Acquisition-Land						
Design		400				400
Construction				400	500	900
Equipment Acquisition						
Salary Recovery						
Other						
Total Allocation		400		400	500	1,300
Source of Funds						
4500 - Fire Consolidated Construction Fund		400		400	500	1,300
Total Funds		400		400	500	1,300

2024-2028 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - FIRE PROTECTION FACILITIES

Project: Fire Station 8 Structural Repairs 1919 LOUISIANA	Project No.		C-000250	
Project Description				
Repairs to address structural issues of the foundation at Fire Station 8.	City Council District			
	Location	I	Address Descr 2:	
	Served:	CITYWIDE	Zip Codes:	77002
	Key Map:		Category:	
	Location Code:	FD-555	Sub-Category:	
Project Justification				
Repairs to address structural issues of the foundation at Fire Station 8. The building has experienced distress in the form of cracking in the finishes and separation between interior walls and floor. The distress is more pronounced at the north side of the building within the sleeping rooms and restrooms for the firefighters.	Units:	0		
	Start Year:			
	RCC Total	\$	RCA Total	\$

Project Allocation						2024-2028
	2024	2025	2026	2027	2028	
Planning						
Acquisition-Land						
Design						
Construction		160				160
Equipment Acquisition						
Salary Recovery						
Other						
Total Allocation		160				160
Source of Funds						
4500 - Fire Consolidated Construction Fund		160				160
Total Funds		160				160

2024-2028 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - FIRE PROTECTION FACILITIES

Project: Salary Recovery VARIOUS LOCATIONS	Project No.		C-000SAL	
Project Description				
Salary recovery for major, minor, and environmental projects.	City Council District			
	Location	VARIOUS	Address Descr 2:	
	Served:	CITYWIDE	Zip Codes:	
	Key Map:		Category:	
	Location Code:	UA-00	Sub-Category:	
Project Justification				
General Services Department will perform work for client departments as necessary for facilities.	Units:	0		
	Start Year:	2023		
	RCC Total	\$	RCA Total	\$

Project Allocation						2024-2028
	2024	2025	2026	2027	2028	
Planning						
Acquisition-Land						
Design						
Construction						
Equipment Acquisition						
Salary Recovery	941	941	941	941	941	4,707
Other						
Total Allocation	941	941	941	941	941	4,707
Source of Funds						
4500 - Fire Consolidated Construction Fund	941	941	941	941	941	4,707
Total Funds	941	941	941	941	941	4,707

2024-2028 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - FIRE PROTECTION FACILITIES

Project: Fire Facilities Roof Replacements VARIOUS LOCATION	Project No.		C-00ROOF	
Project Description				
Start an annual roofing program to replace, renovate, or repair HFD roofs.	City Council District			
	Location	VARIOUS	Address Descr 2:	
	Served:	CITYWIDE	Zip Codes:	
	Key Map:		Category:	
	Location Code:	UA-00	Sub-Category:	
Project Justification				
Many of the roofing systems are beyond the expected life cycle or have been damaged.	Units:	0		
	Start Year:			
	RCC Total	\$	RCA Total	\$

Project Allocation						2024-2028
	2024	2025	2026	2027	2028	
Planning						
Acquisition-Land						
Design						
Construction	1,000	1,000	1,000	325	1,000	4,325
Equipment Acquisition						
Salary Recovery						
Other						
Total Allocation	1,000	1,000	1,000	325	1,000	4,325
Source of Funds						
4500 - Fire Consolidated Construction Fund	1,000	1,000	1,000	325	1,000	4,325
Total Funds	1,000	1,000	1,000	325	1,000	4,325

2024-2028 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - FIRE PROTECTION FACILITIES

Project: Bunker Gear 1205 DART ST.	Project No.		C-EQ0001	
Project Description				
There are approximately 3,600 sets of bunker gear assigned in the field. HFD replaces approximately 10% of the bunker gear per year because of mandatory retirement due to age. Additional gear is retired prematurely due to excessive wear or damage. Approximately 300 sets are issued to firefighter trainees each year.	City Council District			
	Location	CITYWIDE	Address Descr 2:	
	Served:	CITYWIDE	Zip Codes:	77002
	Key Map:		Category:	
	Location Code:	FD-691	Sub-Category:	
Project Justification				
Per National Fire Protection Association (NFPA), bunker gear has a lifespan of 10 years. The fabric used in bunker gear wears down from heat, smoke, and other fire hazards. Gear can also be prematurely retired due to damage or excessive wear.	Units:	0		
	Start Year:	2023		
	RCC Total	\$	RCA Total	\$

Project Allocation						2024-2028
	2024	2025	2026	2027	2028	
Planning						
Acquisition-Land						
Design						
Construction						
Equipment Acquisition	1,900	1,900	1,900	1,900	1,900	9,500
Salary Recovery						
Other						
Total Allocation	1,900	1,900	1,900	1,900	1,900	9,500
Source of Funds						
1800 - Equipment Acquisition Consolidated Fund	1,900	1,900	1,900	1,900	1,900	9,500
Total Funds	1,900	1,900	1,900	1,900	1,900	9,500

2024-2028 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - FIRE PROTECTION FACILITIES

Project: Emergency Life Safety Equipment 1205 DART ST.	Project No.		C-EQ0003	
Project Description				
These funds will allow Houston firefighters to receive the equipment they need to work when they are out in the field and stations. Without funding for this, firefighters cannot successfully carry out their job duties to fight fires and save lives.	City Council District			
	Location	CITYWIDE	Address Descr 2:	
	Served:	CITYWIDE	Zip Codes:	77002
	Key Map:		Category:	
	Location Code:	FD-691	Sub-Category:	
Project Justification				
Equipment needed is specifically to provide firefighters with the proper assistance needed to deliver emergency services daily. Items such as hydraulic stretchers which are critical for fire paramedics, require a 10% replacement per year. Breathing cylinders have a 10-year life span with mandatory retirement parameters.	Units:	0		
	Start Year:	2023		
	RCC Total	\$	RCA Total	\$

Project Allocation						2024-2028
	2024	2025	2026	2027	2028	
Planning						
Acquisition-Land						
Design						
Construction						
Equipment Acquisition	1,929	1,700	1,700	1,700	1,920	8,949
Salary Recovery						
Other						
Total Allocation	1,929	1,700	1,700	1,700	1,920	8,949
Source of Funds						
1800 - Equipment Acquisition Consolidated Fund	1,929	1,700	1,700	1,700	1,920	8,949
Total Funds	1,929	1,700	1,700	1,700	1,920	8,949

2024-2028 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - FIRE PROTECTION FACILITIES

Project: Environmental Remediation VARIOUS LOCATIONS	Project No.		C-EVREMD	
Project Description				
Provide environmental related services to support departmental missions and objectives. Services include abatement/remediation of asbestos, lead, indoor air, contaminated soil and groundwater, underground storage tank removal and replacement, and demolitions.	City Council District			
	Location	VARIOUS	Address Descr 2:	
	Served:	VARIOUS	Zip Codes:	
	Key Map:		Category:	
	Location Code:	UA-00	Sub-Category:	
Project Justification				
Department is required to comply with environmental permits to continue to operate and maintain mission objectives.	Units:	0		
	Start Year:			
	RCC Total	\$	RCA Total	\$

Project Allocation						2024-2028
	2024	2025	2026	2027	2028	
Planning						
Acquisition-Land						
Design						
Construction	200	200	200	200		800
Equipment Acquisition						
Salary Recovery						
Other						
Total Allocation	200	200	200	200		800
Source of Funds						
4500 - Fire Consolidated Construction Fund	200	200	200	200		800
Total Funds	200	200	200	200		800

2024-2028 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - FIRE PROTECTION FACILITIES

Project: HFD HARVEY Restoration Projects	Project No.		C-HARVEY	
Project Description				
Acquire property within the current service area that is outside of the flood plain to design and construct a new 4-bay replacement station.	City Council District			
	Location	E	Address Descr 2:	
	Served:	E	Zip Codes:	
	Key Map:		Category:	
	Location Code:	FD-526	Sub-Category:	
Project Justification				
The existing 2-bay Fire Station #104 was severely flooded and damaged during Hurricane Harvey. The station is currently located near the San Jacinto River and within the 100-year flood plain. This station is also too small for the current area service needs and does not meet current HFD standards for apparatus or living conditions.	Units:	0		
	Start Year:	2023		
	RCC Total	\$	RCA Total	\$

Project Allocation						2024-2028
	2024	2025	2026	2027	2028	
Planning						
Acquisition-Land	1,339					1,339
Design	1,682					1,682
Construction	13,609					13,609
Equipment Acquisition						
Salary Recovery						
Other	296					296
Total Allocation	16,926					16,926
Source of Funds						
4039 - Misc Cap. Projects/Acquisitions CP Ser E	16,926					16,926
Total Funds	16,926					16,926

This project is related to the impact of Hurricane Harvey DR4332 and it is the City's intent to seek reimbursement from the Federal Emergency Management Agency (FEMA) and any other eligible sources for such expenditures, with the FEMA share being 90% of eligible costs.



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