



# **FIRE PROTECTION FACILITIES**

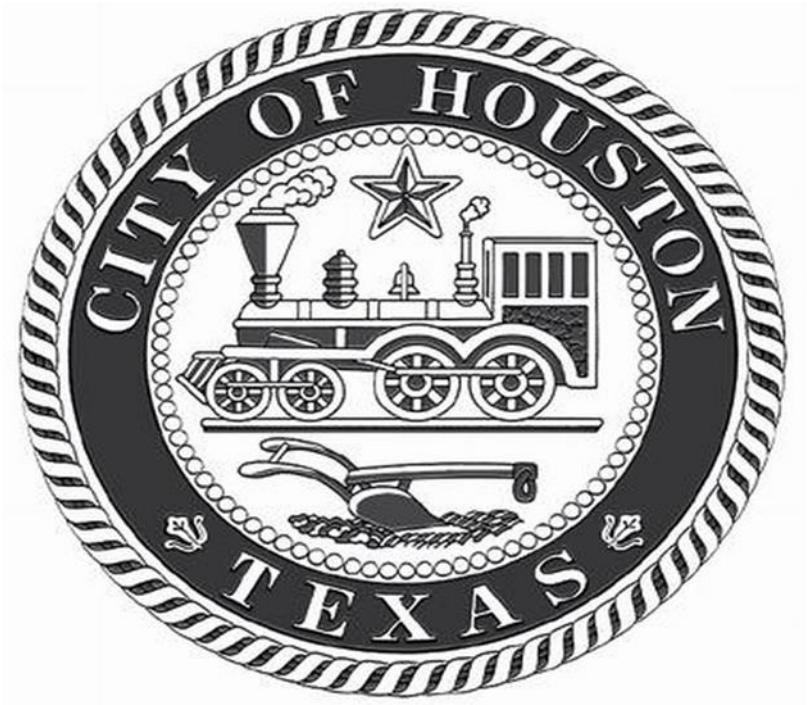
# Fire Protection Facilities

The goal of the Houston Fire Department is to continuously improve public safety, infrastructure, and quality of life while exercising fiscal responsibility through the Capital Improvement Plan.

The Fiscal Year 2021 - 2025 Capital Improvement Plan for HFD incorporates a combination of new construction, renovation/expansion, and relocation to expand and maintain its network of fire stations and support facilities. The plan also includes significant investment in the Emergency Response and Investigative Vehicle Fleet.

**Highlights of the Fiscal Year 2021 - 2025 CIP include:**

- The extensive renovation of Fire Stations #16, #17, #19, #31, #64, #65, #70, #80 will extend the useful life of the facilities by replacing and upgrading core features such as; HVAC, Mechanical and Plumbing.
- Roadway expansion for the Training Academy necessary to accommodate new programs and ongoing trainings with increased personnel and apparatus.
- The project consists of design and construction of the new (4) bay Fire Station104 approx. 15,000 SF. The project will consist of, but not limited to, new paved surface parking, site work, foundation, structure, MEP systems, furniture, appliances, landscaping, signage, traffic signal, and emergency generator system. The design of the new station will increase living area and storage, immediately improving the infrastructure to greatly benefit life safety for the firefighters and meet the needs of the Kingwood community.
- Maintain a Fleet Replacement Cycle that uses data to drive cost efficiencies in the emergency response and investigative fleet. By investing in replacing aging apparatus we will minimize repair and maintenance costs, while benefitting from the value of fleet standardization.



Project Allocation	Fiscal Year Planned Appropriations					2021-2025
	2021	2022	2023	2024	2025	
Planning						
Acquisition-Land	1,300			929		2,229
Design	799	1,288	303		2,318	4,708
Construction	11,083	7,311	11,694	4,905	1,200	36,193
Equipment Acquisition	2,636	3,450	3,450	3,450	3,450	16,436
Salary Recovery	941	941	941	941	941	4,707
Other	150	124	189	65	40	568
<b>Total Allocation</b>	<b>16,909</b>	<b>13,114</b>	<b>16,577</b>	<b>10,290</b>	<b>7,949</b>	<b>64,841</b>
<b>Source of Funds</b>						
1800 - Equipment Acquisition Consolidated Fund	2,636	3,450	3,450	3,450	3,450	16,436
4039 - Misc Cap. Projects/Acquisitions CP Ser E	1,300	1,311	10,678			13,289
4500 - Fire Consolidated Construction Fund	12,973	8,353	2,449	6,840	2,558	33,174
Future Bond Election					1,941	1,941
<b>Total Funds</b>	<b>16,909</b>	<b>13,114</b>	<b>16,577</b>	<b>10,290</b>	<b>7,949</b>	<b>64,841</b>

Some projects in this section are 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.

**FIRE PROTECTION FACILITIES - Summary of Funds**  
**2021-2025 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

CIP No.	Project		Fiscal Year Planned Appropriations					2021-2025
			2021	2022	2023	2024	2025	
C-000003	<b>FS 82 Remediation and Tanks Replacement</b>							
	4500 - Fire Consolidated Construction Fund		307				307	
	<b>Project Total</b>		307				307	
C-000174	<b>Fire Station 22 Parking Expansion</b>							
	4500 - Fire Consolidated Construction Fund		382				382	
	<b>Project Total</b>		382				382	
C-000181	<b>Fire Station 40 Replacement</b>							
	4500 - Fire Consolidated Construction Fund				929	1,433	2,362	
	<b>Project Total</b>				929	1,433	2,362	
C-000185	<b>Environmental Remediation</b>							
	4500 - Fire Consolidated Construction Fund		200	200	200	200	200	1,000
	<b>Project Total</b>		200	200	200	200	200	1,000
C-000195	<b>Fire Station 31 Renovation</b>							
	4500 - Fire Consolidated Construction Fund		5,183				5,183	
	<b>Project Total</b>		5,183				5,183	
C-000196	<b>Fire Station 16 Renovation</b>							
	4500 - Fire Consolidated Construction Fund		325	3,939			4,264	
	<b>Project Total</b>		325	3,939			4,264	
C-000200	<b>Fire Station 64 Renovation</b>							
	4500 - Fire Consolidated Construction Fund					363	363	
	<b>Project Total</b>					363	363	
C-000201	<b>Fire Station 70 Renovation</b>							
	4500 - Fire Consolidated Construction Fund				308	3,770	4,078	
	<b>Project Total</b>				308	3,770	4,078	

**FIRE PROTECTION FACILITIES - Summary of Funds**  
**2021-2025 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

CIP No.	Project							2021-2025
			2021	2022	2023	2024	2025	
C-000203	<b>Fire Station 19 Renovation</b>							
	4500 - Fire Consolidated Construction Fund		309	1,966				2,275
	<b>Project Total</b>		309	1,966				2,275
C-000211	<b>Fire Station 17 Renovation</b>							
	4500 - Fire Consolidated Construction Fund		2,246					2,246
	<b>Project Total</b>		2,246					2,246
C-000213	<b>Training Academy Gear and Cadet Lockers</b>							
	4500 - Fire Consolidated Construction Fund		674					674
	<b>Project Total</b>		674					674
C-000214	<b>Training Academy Road Paving</b>							
	4500 - Fire Consolidated Construction Fund		1,713					1,713
	<b>Project Total</b>		1,713					1,713
C-000217	<b>HVAC Replacements</b>							
	1800 - Equipment Acquisition Consolidated Fund		550	550	550	550	550	2,750
	<b>Project Total</b>		550	550	550	550	550	2,750
C-000220	<b>Fire Facilities Roof Replacements</b>							
	4500 - Fire Consolidated Construction Fund		1,000	1,000	1,000	1,000		4,000
	Future Bond Election						1,000	1,000
	<b>Project Total</b>		1,000	1,000	1,000	1,000	1,000	5,000
C-000221	<b>Fire Station 65 Renovation</b>							
	4500 - Fire Consolidated Construction Fund						269	269
	<b>Project Total</b>						269	269
C-000222	<b>Fire Station 80 Renovation</b>							
	4500 - Fire Consolidated Construction Fund						293	293
	<b>Project Total</b>						293	293

**FIRE PROTECTION FACILITIES - Summary of Funds**  
**2021-2025 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

CIP No.	Project							2021-2025	
			2021	2022	2023	2024	2025		
C-000SAL	<b>Salary Recovery</b>								
	4500 - Fire Consolidated Construction Fund		941	941	941	941		3,766	
	Future Bond Election						941	941	
		<b>Project Total</b>	941	941	941	941	941	4,707	
C-EQ0001	<b>Bunker Gear</b>								
	1800 - Equipment Acquisition Consolidated Fund		1,600	1,600	1,600	1,600	1,600	8,000	
		<b>Project Total</b>	1,600	1,600	1,600	1,600	1,600	8,000	
C-EQ0003	<b>Emergency Life Safety Equipment</b>								
	1800 - Equipment Acquisition Consolidated Fund		486	1,300	1,300	1,300	1,300	5,686	
		<b>Project Total</b>	486	1,300	1,300	1,300	1,300	5,686	
C-HARVEY	<b>HFD HARVEY Restoration Projects</b>								
	4039 - Misc Cap. Projects/Acquisitions CP Ser E		1,300	1,311	10,678			13,289	
		<b>Project Total</b>	1,300	1,311	10,678			13,289	
	<b>Total Appropriations:</b>		16,909	13,114	16,577	10,290	7,949	64,841	

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

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

Section CIP No.	Project							2021-2025
			2021	2022	2023	2024	2025	
<b>Fleet</b>								
W-12ADMN	<b>HFD - Administrative</b>							
	4500 - Fire Consolidated Construction Fund		215	85	100	100		500
	Future Bond Election						100	100
		<b>Project Total</b>	215	85	100	100	100	600
W-12ERES	<b>HFD - Emergency Response Vehicles</b>							
	4500 - Fire Consolidated Construction Fund			12,118	10,181	10,487	10,801	43,587
	Future Bond Election						11,128	11,128
		<b>Project Total</b>	12,118	10,181	10,487	10,801	11,128	54,715
W-12INVG	<b>HFD - Investigative Vehicles</b>							
	4500 - Fire Consolidated Construction Fund			1,250	395	442	454	2,541
	Future Bond Election						468	468
		<b>Project Total</b>	1,250	395	442	454	468	3,009
W-12WHDB	<b>HFD - Warehousing &amp; Distribution</b>							
	4500 - Fire Consolidated Construction Fund			90				90
		<b>Project Total</b>	90					90
<b>Information Technology</b>								
X-120007	<b>HFD - EAS Upgrade</b>							
	1800 - Equipment Acquisition Consolidated Fund				2,000	500		2,500
		<b>Project Total</b>			2,000	500		2,500
X-120018	<b>HFD - Mobile Data Computers</b>							
	1800 - Equipment Acquisition Consolidated Fund			577				577
		<b>Project Total</b>		577				577
X-120020	<b>HFD - Scheduling System Replacement</b>							
	1800 - Equipment Acquisition Consolidated Fund			528				528
		<b>Project Total</b>		528				528
	<b>Total Appropriations:</b>		14,778	10,661	13,029	11,855	11,696	62,019