

The seal of the City of Houston, Texas, is a circular emblem. It features a five-pointed star at the top center. Below the star is a depiction of a steam locomotive. The locomotive has a tall smokestack on the left and a smaller one on the right. The words "CITY OF HOUSTON" are written in a circular path around the top half of the seal, and "TEXAS" is written around the bottom half. The entire seal is rendered in a light gray, semi-transparent style.

STORM DRAINAGE SYSTEM

Storm Drainage System

The Storm Drainage System Program designs and constructs drainage improvement projects in areas of the City with a demonstrated need of flood protection for Houston and its residents. The Storm Water Drainage System includes collection of rainfall runoff via roadside ditches and/or streets with underground pipe (storm sewer) and the conveyance of storm water via off-road channels and underground structures to a receiving system and detention structures designed to manage the rate of flow into a receiving system. The receiving system can be a bayou, tributary channel, or another storm sewer. The program includes investments in channel and detention capacity made in partnership with the Harris County Flood Control District.

The Capital Improvement Plan (CIP) provides an estimate of delivery by fiscal year for the next five years. The FY2027-2031 CIP includes \$1.279 billion for Storm Drainage System improvements funded primarily through drainage fees assessed on non-exempted benefitted property and a dedication of ad valorem revenue to the Dedicated Drainage and Street Renewal Fund (DDSRF). An additional \$66.5 million of Water and Wastewater improvements are planned to accompany Storm Drainage System projects.

The Storm Drainage System Program consists of the following major components:

Capital Improvement Projects:

- The City uses objective criteria to develop a ranked list of the highest priority need areas across the City and prioritize candidate storm drainage projects based on their benefits and costs. Projects are developed in accordance with the City's design criteria to convey 2-year rainfall events within the collection system (roadside ditch and/or storm sewer) and reduce the risk of structural flooding during 100-year storm events. Properties within special flood hazard areas or the 100-year flood zone will be protected from localized event flooding but may not be protected from flooding related to inadequate level of service of the receiving system.

Local Drainage Program (LDP) & Storm Water Action Team (SWAT) Projects:

- These programs address localized storm water drainage system problems including inadequate level of service due to underground storm sewer capacity, roadside ditch grade deterioration and encroachments, inlet capacity, and/or structural failure of the storm sewer or outfall. Engineering and construction are accomplished by work order contracts in order to address these problems quickly and cost effectively. The FY 2027-2031 CIP commits approximately \$225 million to these programs.

Storm Drainage System Projects deferred to future CIPs:

The following projects were previously listed in Adopted CIPs and will be prioritized for construction as additional funding is identified in future CIPs.

- M-410022-0001 Garden Oaks and Shepherd Park (East)
- M-410027-0002 Richmond Plaza 1 (North)

Project Allocation	Fiscal Year Planned Appropriations					2027-2031
	2027	2028	2029	2030	2031	
Planning						
Acquisition-Land						
Design	25,471	12,742	8,350	10,350	8,350	65,263
Construction	301,924	230,439	225,656	182,505	56,300	996,825
Equipment Acquisition						
Salary Recovery						
Other	18,000	145,796	18,000	18,000	18,000	217,796
Total Allocation	345,395	388,977	252,006	210,855	82,650	1,279,883
Source of Funds						
4042 - DDSRF CAPITAL FUND-DRAINAGE CHARGE	199,751	145,413	185,426	189,058	82,650	802,298
4046 - DDSRF CAPITAL FUND-AD VALOREM TAX	41,254	6,685	39,098	21,797		108,834
4510 - Contribution for Capital Projects	35,848	55,377	1,800			93,025
4515 - Contributed Capital Project Fund	3,000					3,000
5000 - Federal Government - Grant Funded	22,286	9,913	19,988			52,187
5400 - Federal Government-PWE Grant Funded-DDSR	1,700					1,700
5410 - State - PWE State Grant Funded - DDSR	3,500	85,000	1,500			90,000
5430 - Federal State Local - HPW Pass thru DDSR	38,056	86,589	4,194			128,839
8500 - HPW-W&S Syst Consolidated Constr Fd						
Total Funds	345,395	388,977	252,006	210,855	82,650	1,279,883

STORM DRAINAGE SYSTEM - Summary of Funds
2027-2031 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CIP No.	Project		Fiscal Year Planned Appropriations					2027-2031	
			2027	2028	2029	2030	2031		
M-000247	Nottingham & Yorkshire Area								
	4046 - DDSRF CAPITAL FUND-AD VALOREM TAX		3,000			21,797		24,797	
	8500 - HPW-W&S Syst Consolidated Constr Fd					8,903		8,903	
	Project Total		3,000			30,700		33,700	
M-410002	Potomac and Nantucket Area								
	4042 - DDSRF CAPITAL FUND-DRAINAGE CHAR		3,301			32,760		36,061	
	8500 - HPW-W&S Syst Consolidated Constr Fd					7,126		7,126	
	Project Total		3,301			39,886		43,187	
M-410006	Arlington Heights Area								
	4042 - DDSRF CAPITAL FUND-DRAINAGE CHAR		10,297					10,297	
	8500 - HPW-W&S Syst Consolidated Constr Fd		4,918					4,918	
	Project Total		15,215					15,215	
M-410013	Melrose Park Area								
	5000 - Federal Government - Grant Funded				19,988			19,988	
	Project Total				19,988			19,988	
M-410015	Magnolia Park Area								
	4042 - DDSRF CAPITAL FUND-DRAINAGE CHAR			8,199				8,199	
	8500 - HPW-W&S Syst Consolidated Constr Fd			5,187				5,187	
	Project Total			13,386				13,386	
M-410016	Westridge and Braes Terrace Area								
	4046 - DDSRF CAPITAL FUND-AD VALOREM TAX		7,108	6,685				13,793	
	8500 - HPW-W&S Syst Consolidated Constr Fd		2,069	2,275				4,344	
	Project Total		9,177	8,959				18,137	

STORM DRAINAGE SYSTEM - Summary of Funds
2027-2031 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CIP No.	Project							2027-2031	
			2027	2028	2029	2030	2031		
M-410024	Southland Area								
	4046 - DDSRF CAPITAL FUND-AD VALOREM TAX		3,600		37,233			40,833	
	4510 - Contribution for Capital Projects				1,800			1,800	
	8500 - HPW-W&S Syst Consolidated Constr Fd				544			544	
	Project Total		3,600		39,576			43,176	
M-410025	Inwood Forest Area								
	4042 - DDSRF CAPITAL FUND-DRAINAGE CHAR			25,629				25,629	
	8500 - HPW-W&S Syst Consolidated Constr Fd			10,913				10,913	
	Project Total			36,542				36,542	
M-410028	Westbury Area								
	4046 - DDSRF CAPITAL FUND-AD VALOREM TAX		16,455					16,455	
	4510 - Contribution for Capital Projects		5,000					5,000	
	8500 - HPW-W&S Syst Consolidated Constr Fd		5,582					5,582	
	Project Total		27,037					27,037	
M-410033	Avalon Place								
	4046 - DDSRF CAPITAL FUND-AD VALOREM TAX		2,804					2,804	
	Project Total		2,804					2,804	
M-410035	Northside High School Area								
	8500 - HPW-W&S Syst Consolidated Constr Fd		8,367					8,367	
	Project Total		8,367					8,367	
M-410036	Spring Shadows Area								
	4042 - DDSRF CAPITAL FUND-DRAINAGE CHAR				33,571			33,571	
	5410 - State - PWE State Grant Funded - DDSR		3,500		1,500			5,000	
	8500 - HPW-W&S Syst Consolidated Constr Fd				192			192	
	Project Total		3,500		35,263			38,763	

STORM DRAINAGE SYSTEM - Summary of Funds
2027-2031 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CIP No.	Project							2027-2031	
			2027	2028	2029	2030	2031		
M-410038	Central Park Area								
	4042 - DDSRF CAPITAL FUND-DRAINAGE CHAR		4,425			44,762		49,187	
	8500 - HPW-W&S Syst Consolidated Constr Fd					2,000		2,000	
	Project Total		4,425			46,762		51,187	
M-410039	Cottage Grove East Area								
	4042 - DDSRF CAPITAL FUND-DRAINAGE CHAR		13,879					13,879	
	4046 - DDSRF CAPITAL FUND-AD VALOREM TAX		8,287					8,287	
	8500 - HPW-W&S Syst Consolidated Constr Fd		7,285					7,285	
	Project Total		29,451					29,451	
M-410040	Braeburn Glen Area Flood Mitigation								
	4042 - DDSRF CAPITAL FUND-DRAINAGE CHAR		24,454					24,454	
	4510 - Contribution for Capital Projects		3,100					3,100	
	5430 - Federal State Local - HPW Pass thru DDSR		5,597					5,597	
	Project Total		33,151					33,151	
M-410041	Kuhlman Gully Mitigation								
	4042 - DDSRF CAPITAL FUND-DRAINAGE CHAR				23,250			23,250	
	Project Total				23,250			23,250	
M-410042	OST/Griggs Area Drainage and Paving Impr								
	4042 - DDSRF CAPITAL FUND-DRAINAGE CHAR			2,392		26,886		29,278	
	Project Total			2,392		26,886		29,278	
M-410043	Freeway Manor/Gulfway Terrace Detention								
	4042 - DDSRF CAPITAL FUND-DRAINAGE CHAR				45,955			45,955	
	Project Total				45,955			45,955	

STORM DRAINAGE SYSTEM - Summary of Funds
2027-2031 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CIP No.	Project							2027-2031	
			2027	2028	2029	2030	2031		
M-410044	Sunnyside Area Detention								
	4046 - DDSRF CAPITAL FUND-AD VALOREM TAX				1,866			1,866	
	5430 - Federal State Local - HPW Pass thru DDSR				4,194			4,194	
	Project Total				6,059			6,059	
M-410291	Turkey Gully Diversion								
	5000 - Federal Government - Grant Funded		15,793					15,793	
	8500 - HPW-W&S Syst Consolidated Constr Fd		1,198					1,198	
	Project Total		16,991					16,991	
M-420126	Local Drainage Program (LDP)								
	4042 - DDSRF CAPITAL FUND-DRAINAGE CHAR		45,500	12,950	12,950	12,950	12,950	97,300	
	Project Total		45,500	12,950	12,950	12,950	12,950	97,300	
M-420HUD	CDBG Disaster Recovery Program								
	4042 - DDSRF CAPITAL FUND-DRAINAGE CHAR		336					336	
	5000 - Federal Government - Grant Funded		6,493					6,493	
	5400 - Federal Government-PWE Grant Funded-DD		1,700					1,700	
	Project Total		8,529					8,529	
M-42LHUD	CDBG Mitigation: Local Action Plan								
	5000 - Federal Government - Grant Funded			9,913				9,913	
	Project Total			9,913				9,913	
M-430006	Storm Water Action Team (SWAT)								
	4042 - DDSRF CAPITAL FUND-DRAINAGE CHAR		45,046	20,000	20,000	20,000	20,000	125,046	
	4515 - Contributed Capital Project Fund		3,000					3,000	
	Project Total		48,046	20,000	20,000	20,000	20,000	128,046	

STORM DRAINAGE SYSTEM - Summary of Funds
2027-2031 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CIP No.	Project							2027-2031	
			2027	2028	2029	2030	2031		
M-430100	Pre-Engineering for Storm Water Drainage								
	4042 - DDSRF CAPITAL FUND-DRAINAGE CHAR			2,000		2,000		4,000	
	Project Total			2,000		2,000		4,000	
M-430220	Project Mgmt. Incl. Testing & Inspection								
	4042 - DDSRF CAPITAL FUND-DRAINAGE CHAR		1,700	1,700	1,700	1,700	1,700	8,500	
	Project Total		1,700	1,700	1,700	1,700	1,700	8,500	
M-430241	Stormwater Pump Station & Flood Warning								
	4042 - DDSRF CAPITAL FUND-DRAINAGE CHAR		1,000	1,000	1,000	1,000	1,000	5,000	
	Project Total		1,000	1,000	1,000	1,000	1,000	5,000	
M-430296	Regional Stormwater Detention								
	4042 - DDSRF CAPITAL FUND-DRAINAGE CHAR		18,517	15,000	15,000	15,000	15,000	78,517	
	4510 - Contribution for Capital Projects		27,748					27,748	
	5430 - Federal State Local - HPW Pass thru DDSR		32,460					32,460	
	Project Total		78,725	15,000	15,000	15,000	15,000	138,725	
M-430800	Developer Participation								
	4042 - DDSRF CAPITAL FUND-DRAINAGE CHAR		3,000	3,000	3,000	3,000	3,000	15,000	
	Project Total		3,000	3,000	3,000	3,000	3,000	15,000	
M-43E101	HMGP North Canal Project								
	4042 - DDSRF CAPITAL FUND-DRAINAGE CHAR			13,844				13,844	
	4510 - Contribution for Capital Projects			55,377				55,377	
	5430 - Federal State Local - HPW Pass thru DDSR			54,492				54,492	
	Project Total			123,713				123,713	
M-43M009	Ditch Reestablishment Program								
	4042 - DDSRF CAPITAL FUND-DRAINAGE CHAR		25,000	25,000	25,000	25,000	25,000	125,000	
	Project Total		25,000	25,000	25,000	25,000	25,000	125,000	

STORM DRAINAGE SYSTEM - Summary of Funds
2027-2031 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CIP No.	Project							2027-2031	
			2027	2028	2029	2030	2031		
M-450500	Storm Water Improvements Under R/S								
	4042 - DDSRF CAPITAL FUND-DRAINAGE CHAR			10,699				10,699	
	5410 - State - PWE State Grant Funded - DDSR			85,000				85,000	
	5430 - Federal State Local - HPW Pass thru DDSR			32,097				32,097	
	Project Total			127,796				127,796	
M-500001	Future Design								
	4042 - DDSRF CAPITAL FUND-DRAINAGE CHAR		3,295	4,000	4,000	4,000	4,000	19,295	
	Project Total		3,295	4,000	4,000	4,000	4,000	19,295	
M-NA0000	Funding Offset								
	8500 - HPW-W&S Syst Consolidated Constr Fd		-29,419	-18,375	-736	-18,029		-66,558	
	Project Total		-29,419	-18,375	-736	-18,029		-66,558	
Total Appropriations:			345,395	388,977	252,006	210,855	82,650	1,279,883	