

2018 Bond Program Monthly Update

Harris County Commissioners Court – November 2021



In October 2021, we held two community engagement meetings for the Flood Control District's Crenshaw Stormwater Detention Basin and the City of Houston's Arlington Heights projects in the Sims Bayou watershed and the Cedar Bayou Tributaries Q134-00-00 and Q134-01-00 Channel Conveyance Improvements.

While we continue to engage with the community, we also are making construction progress on several flood risk reduction projects across the county. One great example is the White Oak Bayou Federal Project. The White Oak Bayou Federal Flood Damage Reduction Project is a multi-year, \$124 million project that will substantially reduce flooding risks along White Oak Bayou. Many of these projects have been completed and the final two segments of the project are underway. The segment along White Oak Bayou from Hollister Street to F.M. 1960 is expected to be complete in winter 2021/2022. The segment from Cole Creek to Hollister is expected to be complete in spring 2022. Upon completion, the Flood Control District estimates that approximately 1,300 structures will see a flood reduction benefit.

Phase I of the Lauder Stormwater Detention Basin in the mid-reach of Greens Bayou, which is designed to be a wet-bottom stormwater detention basin with a permanent pool, and features designed to improve stormwater quality, is nearly complete. Once complete, Phase I will hold almost 192 million gallons of stormwater that might otherwise flood homes and businesses. The basin is part of the comprehensive flood risk reduction plan for the mid-reach stretch of Greens Bayou.

As we continue to forge ahead on new projects and complete multi-phase projects, we continue to be optimistic about future flood resiliency in Harris County.

Construction Contracts Awarded

Last Month - Count

0

Last Month - Amount

\$0

Total - Count

42

Total – Amount

\$354M

Agreements Awarded

Last Month - Count

13

Last Month - Amount

\$18.8M

Total - Count

400

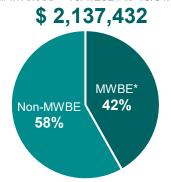
\$295M

Total Spending through Sept 2021

\$865M Other Local Funds \$115M Grants \$313M Bond Funds \$437M

Professional Services Invoices Paid

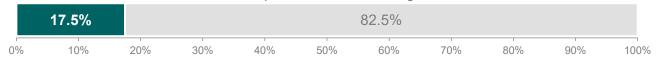
Total Invoiced - 10/1/2021 to 10/31/2021



^{*}Minority- and/or Women Owned Business Enterprises (MWBE)

Overall Progress

% Complete of the 2018 Bond Program



Key Performance Indicators*

1.46

1.00

*CPI is Cost Performance Index and SPI is Schedule Performance Index. Closest to 1 is the best, with anything above or below that as indicators for trending. For CPI, anything above a 1 indicates a trend of being under budget and under 1 over budget. For SPI, anything above 1 indicates ahead of schedule and under 1 behind schedule.

Home Buyouts

Home Buyouts in Progress

Home Buyouts Completed Includes CSD Mandatory Buyouts

Buyouts Funding Secured

– Total

Buyouts Funding Secured – Spent to Date

616

673

\$516M \$137.5M

Projects Changing Lifecycle Stages

Project ID	Project Name	Stage Starting	Stage Ending
P118-08-00-E001	P118-08-00 Conveyance and Detention Improvements	Preliminary Eng.	Feasibility
P118-27-00-E001	P118-27-00 Conveyance and Detention Improvements	Preliminary Eng.	Feasibility
B500-04-00-E004	Optimization of Redbluff Regional Storm Water Detention Basin	Preliminary Eng.	Project Initiation
A104-12-01-Y001	Bayside Terrace Subdivision Drainage Improvements	Design	Project Initiation
G104-00-00-E002	Deer Park Gardens Subdivision Drainage Improvement	Construction	Design
D100-00-00-B027	Brays Bayou Federal Flood Control Project Stella Link Bridge Extension and Ardmore Bridge Replacement n Brays Bayou Discrete Segment 109A	Turnover & Startup	Construction
Z100-00-00-X309	Barker Reservoir Sediment Removal Program, Pkg 1	Turnover & Startup	Construction

In the News

The following represent construction notices distributed by the Harris County Flood Control District in October 2021. To view more information, log on to hcfcd.org and visit the "Latest News" section.

Update for Mud Gully Project - Scarsdale Rd. Bridge Closure

Effective at 10 a.m. on Wednesday, October 6, 2021, the Scarsdale Boulevard bridge will be closed to traffic in both directions for channel conveyance improvements work occurring under the bridge as part of Bond Project C-03, the Mud Gully Channel Conveyance Improvements project.

For the duration of the closure, motorists will be routed to either Sagedowne Lane or Astoria Boulevard. The traffic signals at the

Project ID: A120-00-00-C003

Precinct: 1

Project Web Page:

www.hcfcd.org/Mud-Gully

intersection of Beamer Road and Scarsdale Boulevard will maintain regular green-yellow-red operations on the open approaches. To prevent confusion at the intersection, the traffic signals for the closed lanes will be covered.

The bridge is expected to reopen in early spring 2022, barring no unforeseen circumstances, such as inclement weather. The Flood Control District appreciates your patience and understanding with these construction inconveniences for this project in your area. For more information on the project & the traffic control plan, visit hcfcd.org/Mud-Gully.

Construction Update for Drainage Repairs in Cypress Creek Watershed

In Fall 2021, the Flood Control District will begin construction in your area on a maintenance project that will address erosion issues along HCFCD Unit# K140-00-00 from Louetta Road to HCFCD Unit# K140-02-00 for approximately 4,840 linear feet and HCFCD Unit# K140-02-00 at the K140-00-00 confluence to 500 linear feet upstream.

Construction equipment will access the work area via Louetta Road, Cane Creek Drive, Rogers Road, and Charter Ridge Drive. Motorists are urged to be alert to truck traffic when passing near construction access points and along truck routes. Additionally, temporary trail closures along the channel will occur during construction. The Flood Control District appreciates your patience through the duration of this project. More information may be available on the Flood Control District's website, www.hcfcd.org/maintenance. Should you have any questions or comments, please visit www.hcfcd.org/contact-us.

Project Name: K140-00-00-X020 and K140-02-

00-X003 repairs

Package ID: Z100-00-00-X280

Project ID: K140-00-00-X020 and K140-02-00-

X003 Precinct: 4

Contractor: LECON

Contract Amount: Approx. \$1million Construction Start: Fall 2021

Construction Duration: Approx. 210 days

Project Web Page: www.hcfcd.org/contact-us

White Oak Bayou Federal Project Construction Update

Progress continues on the White Oak Bayou Federal Project. The White Oak Bayou Federal Flood Damage Reduction Project is a multi-year, \$124 million project that will substantially reduce flooding risks along White Oak Bayou.

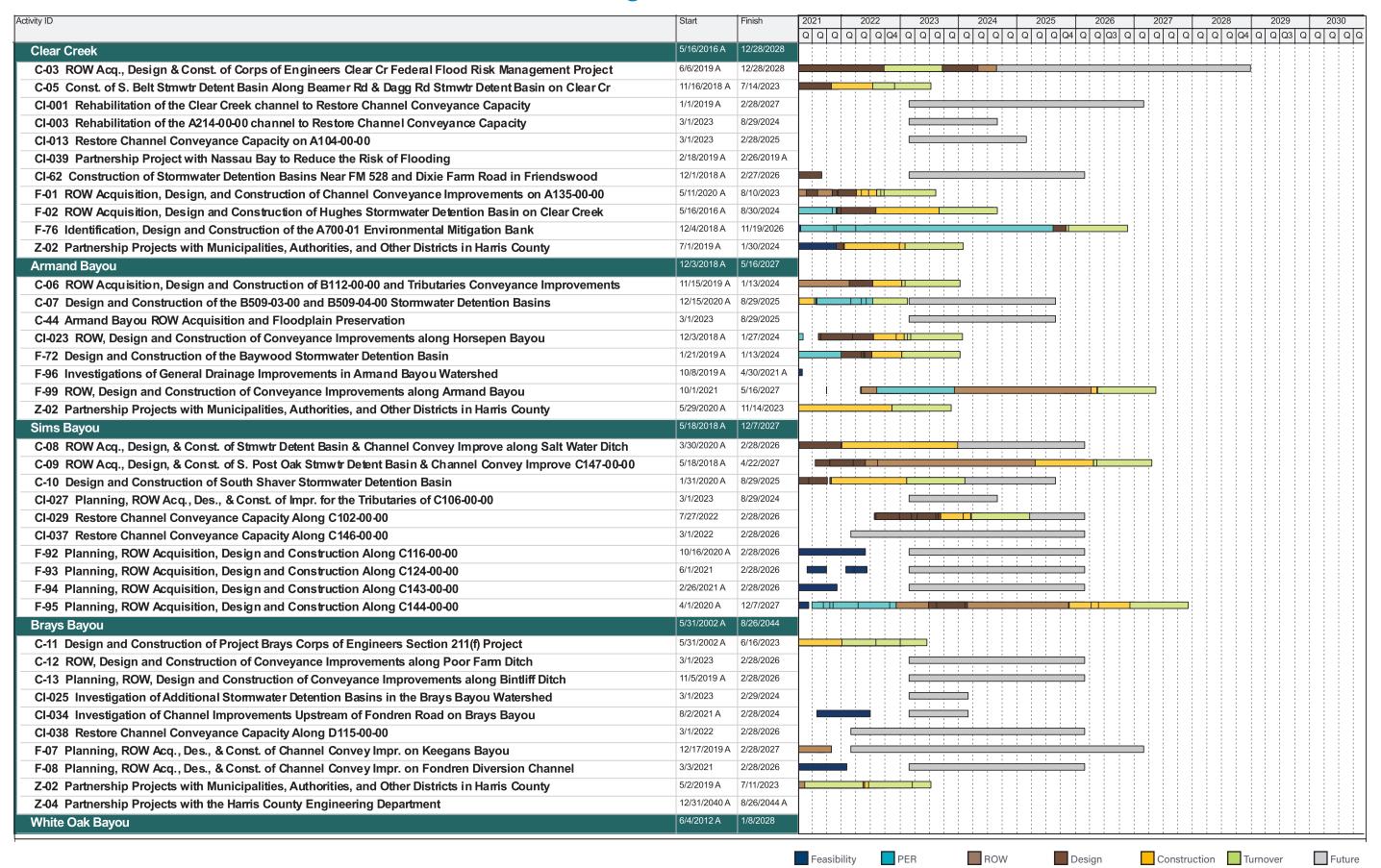
The White Oak Bayou Federal Flood Damage Reduction Project includes:

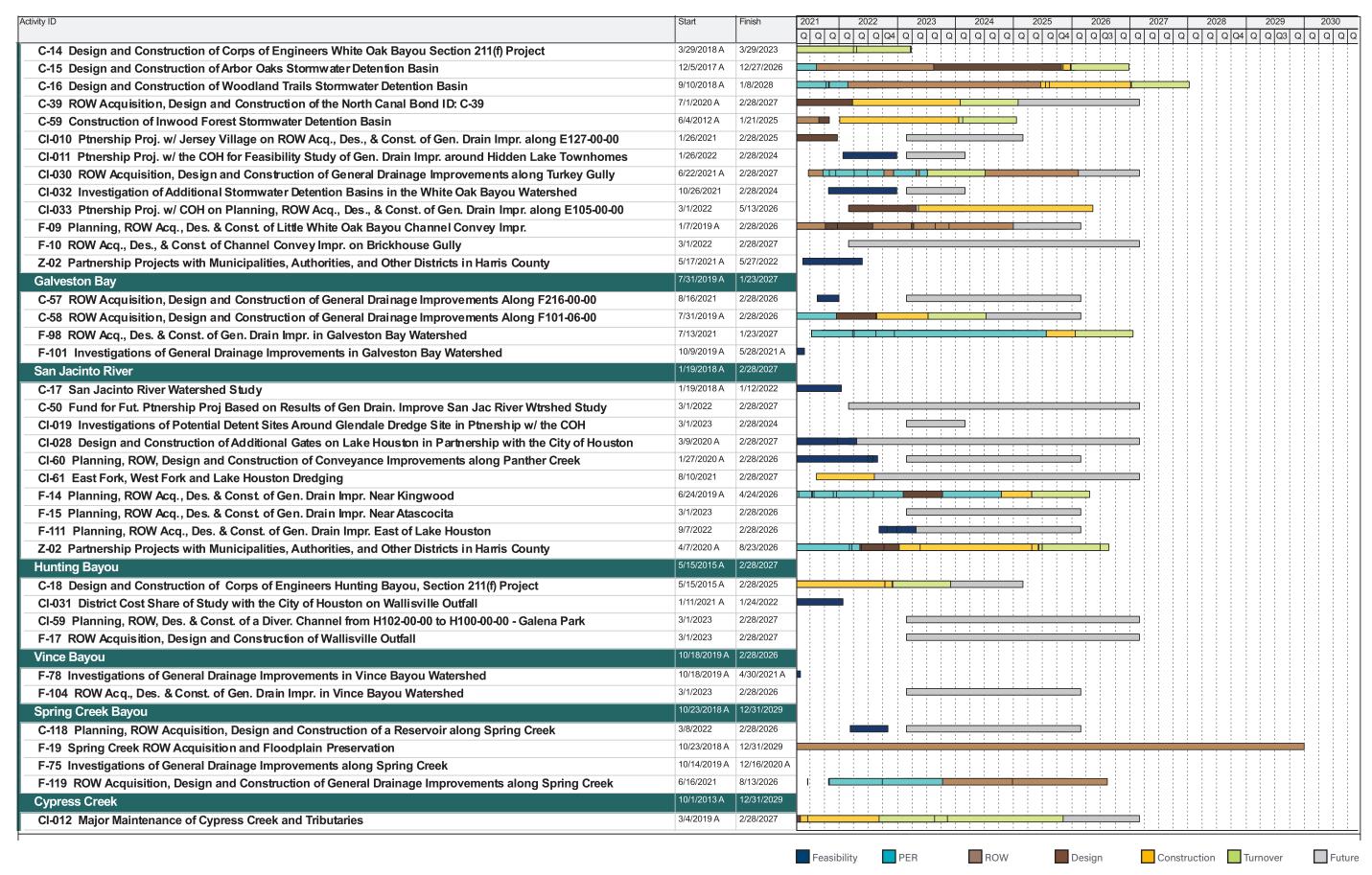
- Construction of approximately 15.4 miles of channel conveyance improvements along White Oak Bayou from Cole Creek near West Tidwell Road to F.M. 1960;
- Excavation of six stormwater detention basins to hold almost one billion gallons of stormwater;
- Construction of the Jersey Village Bypass Channel (HCFCD Unit E200-00-00), which carries approximately 30 percent of White Oak Bayou flows around the City of Jersey Village during heavy rains.

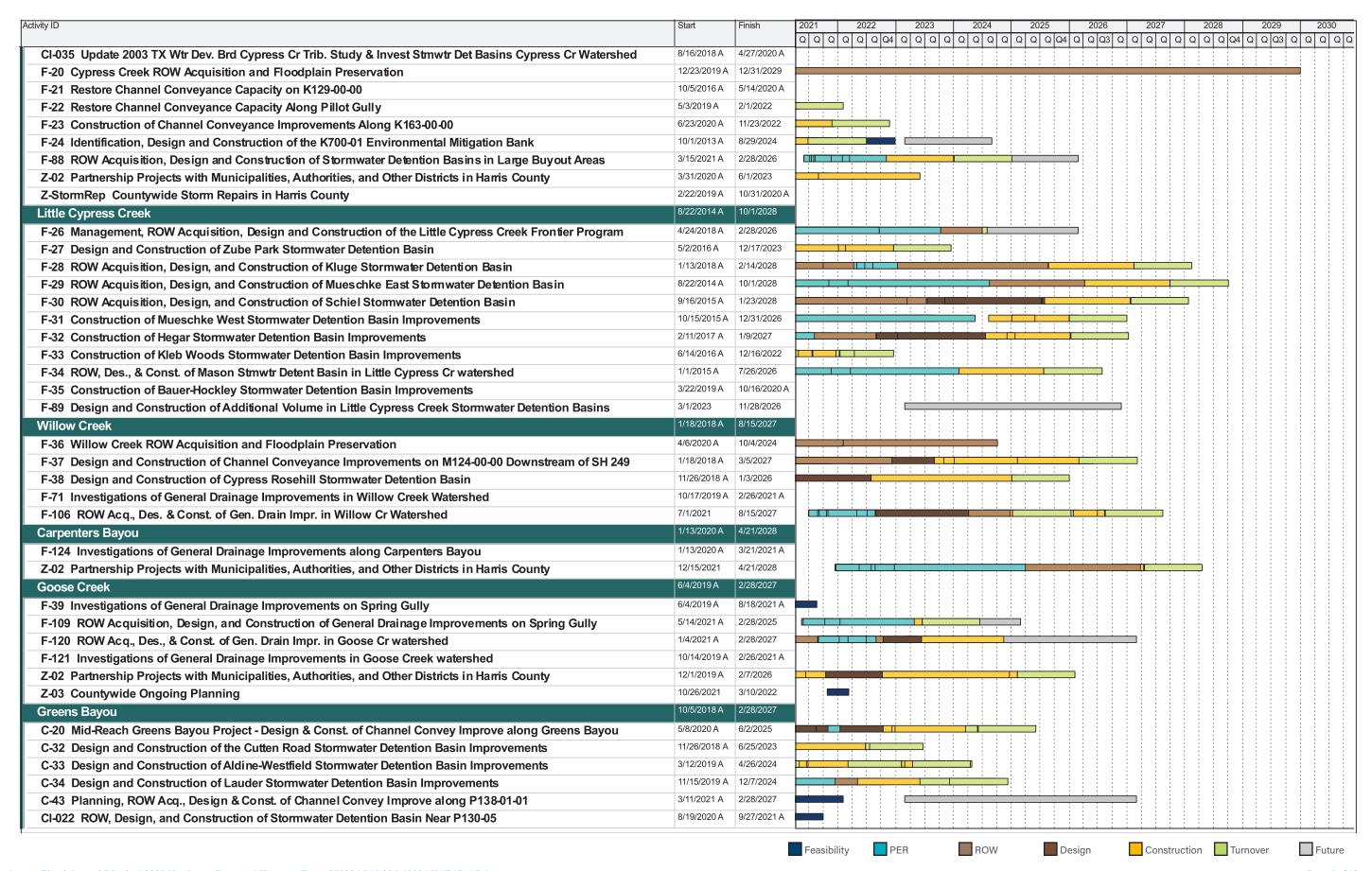
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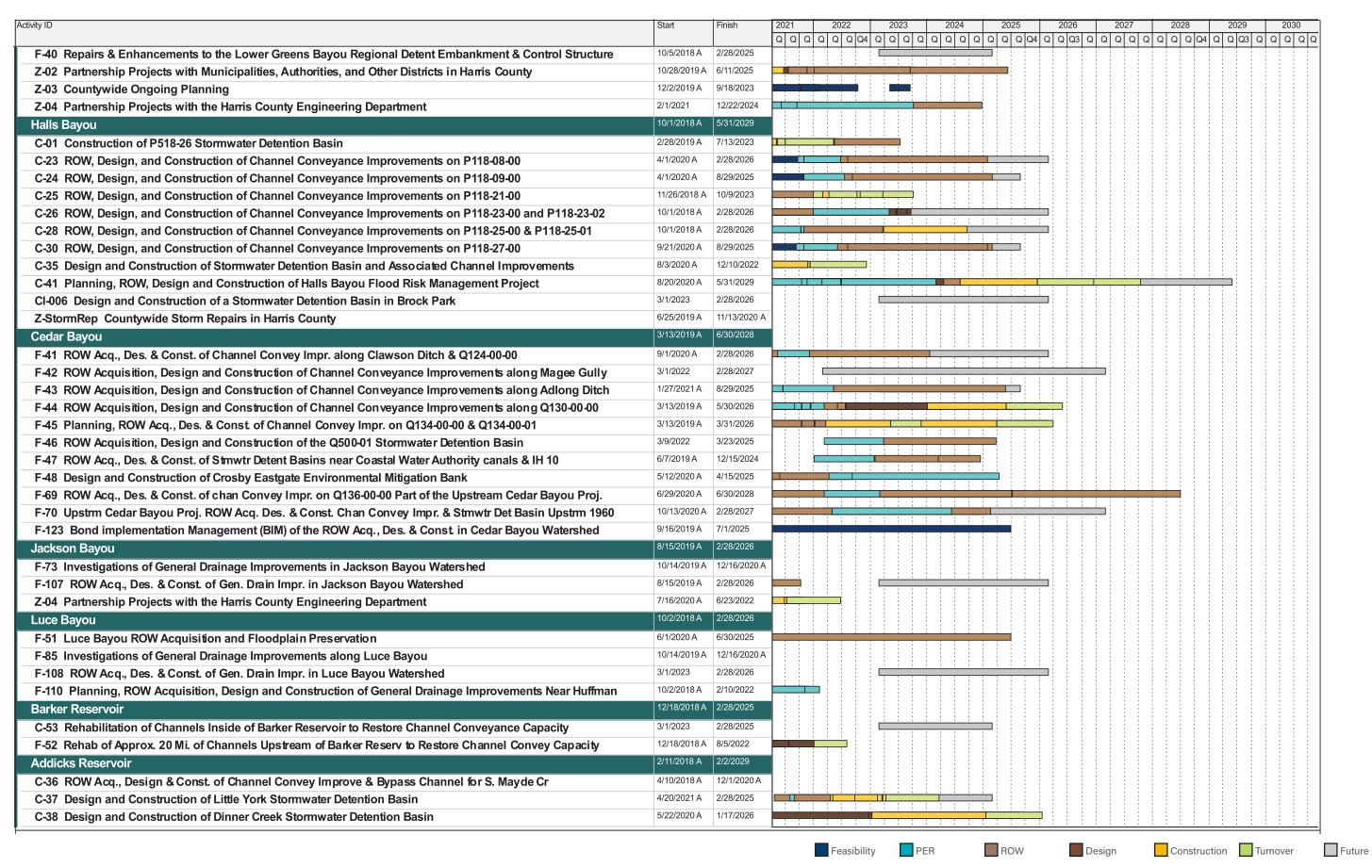
Project Web Page: www.hcfcd.org/C-14

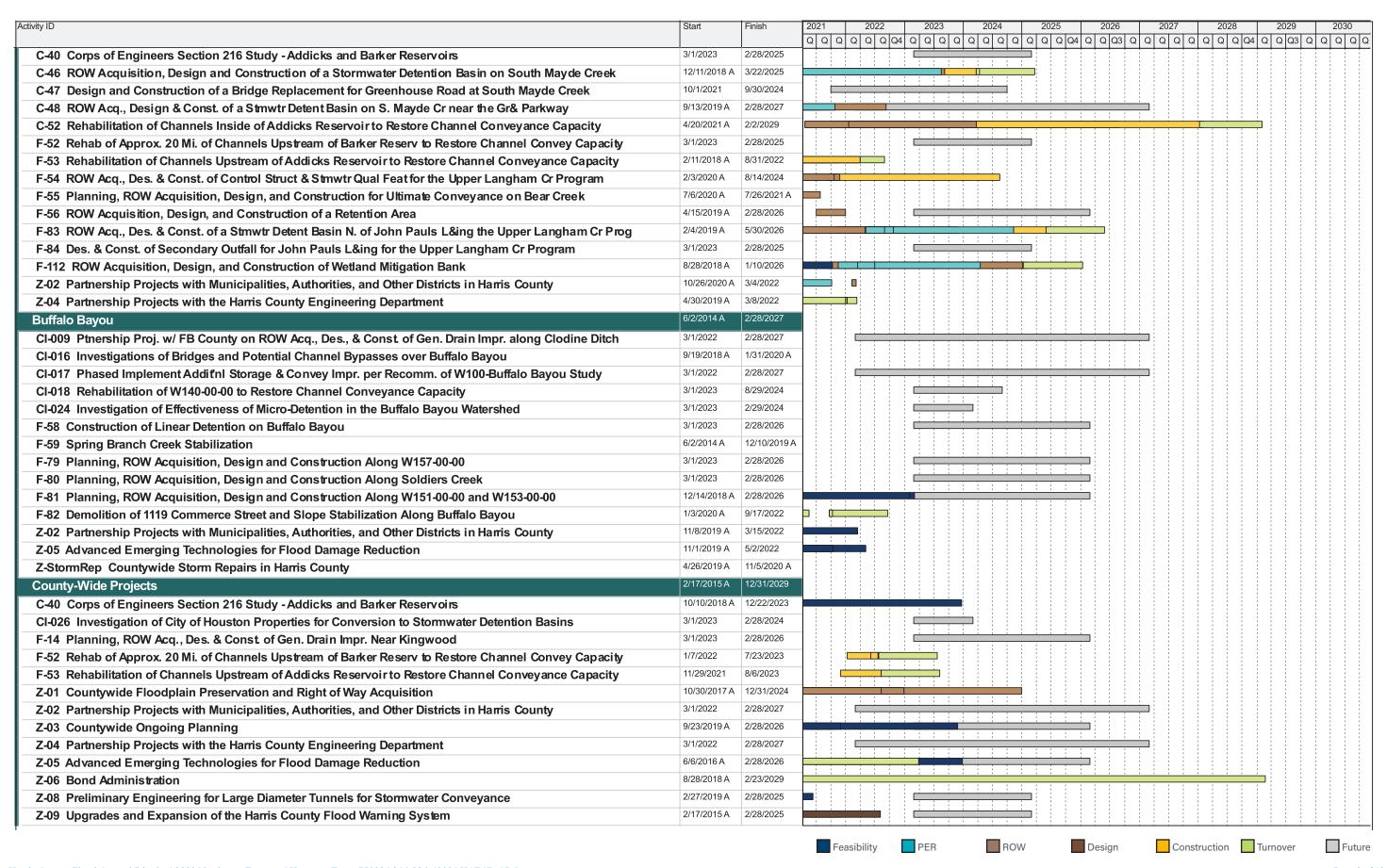
2018 Bond Program Master Schedule



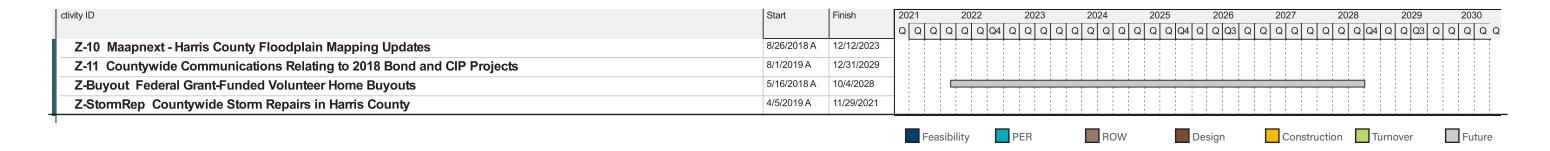


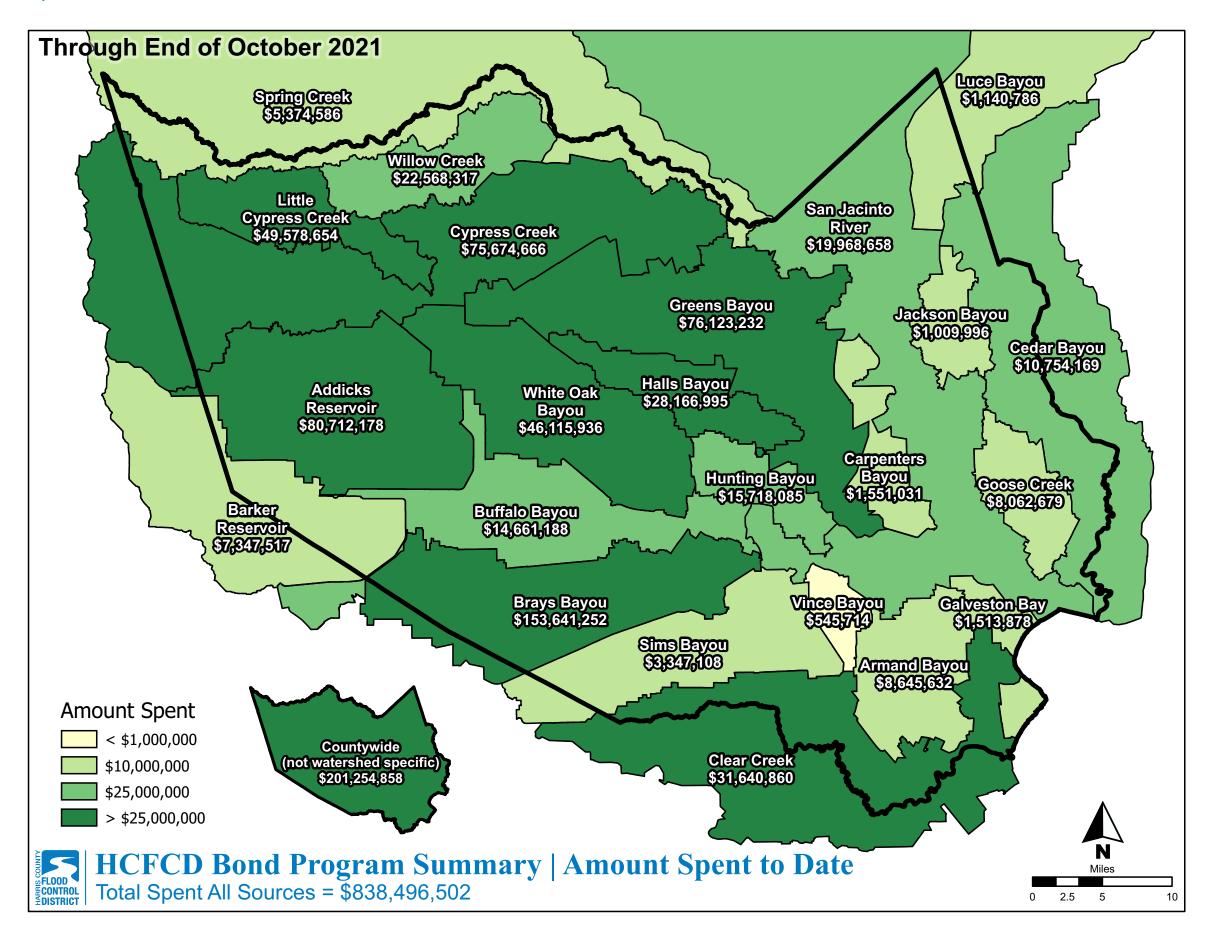


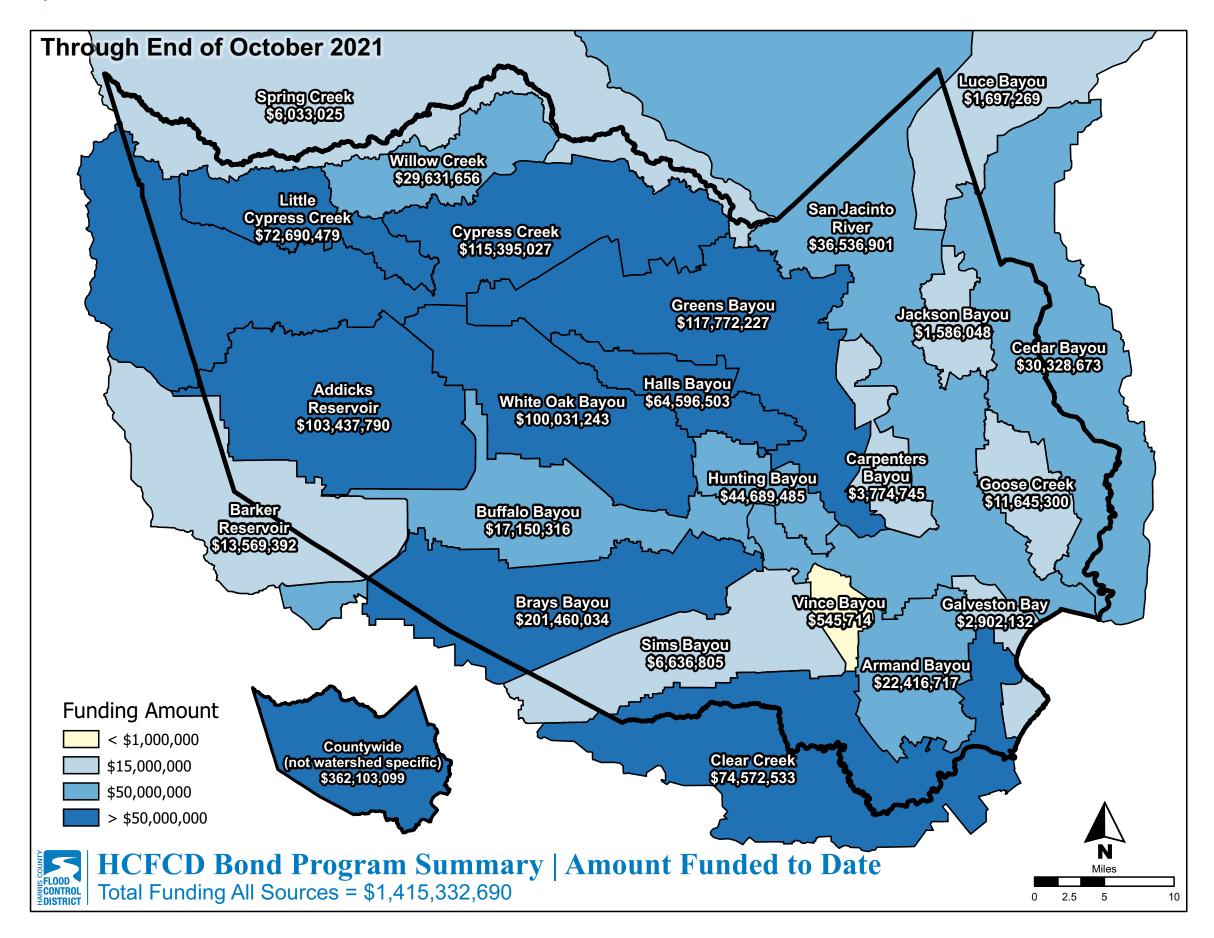




November 2021



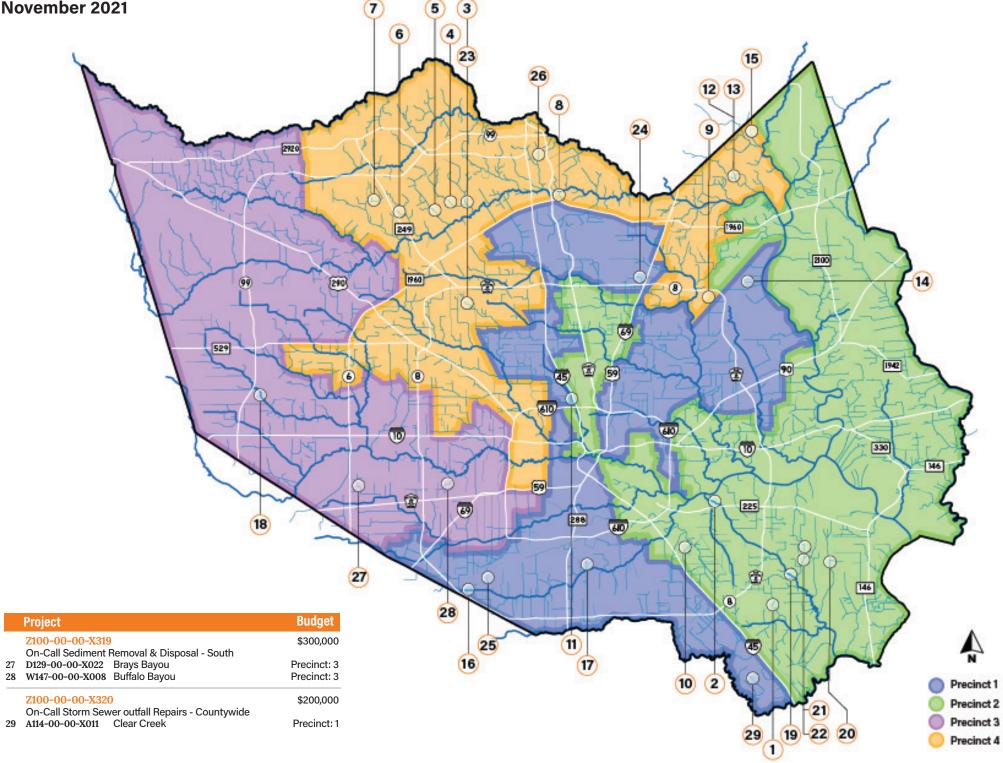






Maintenance Projects Total Budget: \$59,435,469 Active Construction Projects - November 2021

	Project	Budget
1	B504-01-00-X003 Armand Bayou Basin modifications to reduce standing water	\$945,096 Precinct: 2
2	I101-00-00-X018 Vince Bayou Erosion Repairs from Richey St. to Shaver St.	\$751,000 Precinct: 2
	K100-00-00-X084 Major Maintenance of Cypress Creek Tributaries	\$13,430,031
3	K131-00-00-X029 Cypress Creek	Precinct: 4
4	K131-02-00-X027 Cypress Creek	Precinct: 4
5	K133-00-00-X034 Cypress Creek	Precinct: 4
	K100-00-00-X085 Major Maintenance of Cypress Creek Tributaries	\$3,299,607
6	K140-04-00-X001 Cypress Creek	Precinct: 4
7	K142-07-00-X013 Cypress Creek	Precinct: 4
8	K117-00-00-X003 Cypress Creek	\$1,197,520
_	Reinforced Concrete Spillway and Stilling Basin	Precinct: 4
9	P700-01-00-X018 Greens Bayou Wetland Mitigation Bank access road repairs	\$1,350,283 Precinct: 4
	Z100-00-00-X261	\$2,703,890
	Addicks Watershed De-Silt Project	
10 11	C106-03-00-X016 Sims Bayou E101-00-00-X048 White Oak Bayou	Precinct: 4 Precinct: 2
	Z100-00-00-X280	\$16,729,715
40	General Drainage System Repairs - North	D
12 13	G103-33-00-X007 San Jacinto River G103-33-00-X008 San Jacinto River	Precinct: 4 Precinct: 4
14	G103-53-00-X002 San Jacinto River	Precinct: 2
15	G103-80-03.1-X032 Cypress Creek	Precinct: 4
	Z100-00-00-X281	\$16,569,166
40	General Drainage System Repairs - South	Dun almatu 1
16	C100-00-00-X060 Sims Bayou C128-00-00-X002 Sims Bayou	Precinct: 1 Precinct: 1
17 18	C128-00-00-X002 Sims Bayou U101-08-00-X011 Addicks Reservoir	Precinct: 3
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	Z100-00-X304 Drainage System Repairs - Southeast Area	\$1,392,750
19	B100-00-00-X011 Armand Bayou	Precinct: 2
20	B106-00-00-X011 Armand Bayou	Precinct: 2
21	B112-00-00-X009 Armand Bayou	Precinct: 2
22	B112-00-00-X010 Armand Bayou	Precinct: 2
	Z100-00-00-X312 Drainage Sediment Removal & Disposal - North	\$600,000
23	E121-00-00-X023 White Oak Bayou	Precinct: 4
24	P133-02-00-X003 Greens Bayou	Precinct: 1
	Z100-00-00-X314 On-Call Sediment Removal County Wide	\$300,000
25	C132-00-00-X011 Sims Bayou	Precinct: 1
26	K120-00-00-X024 Cypress Creek	Precinct: 4

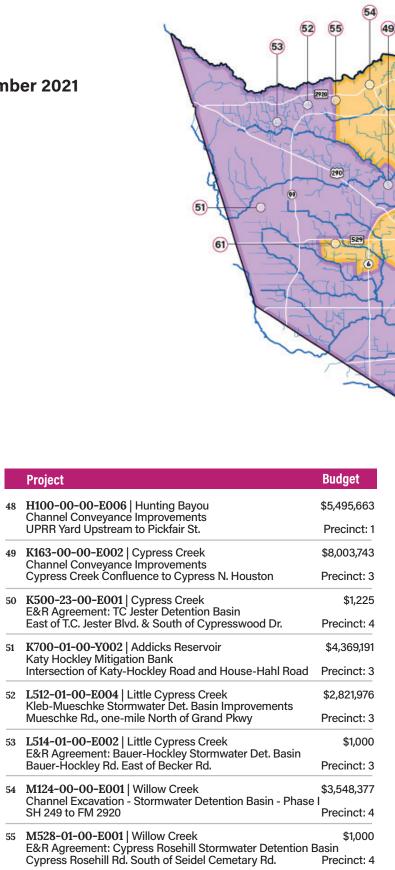


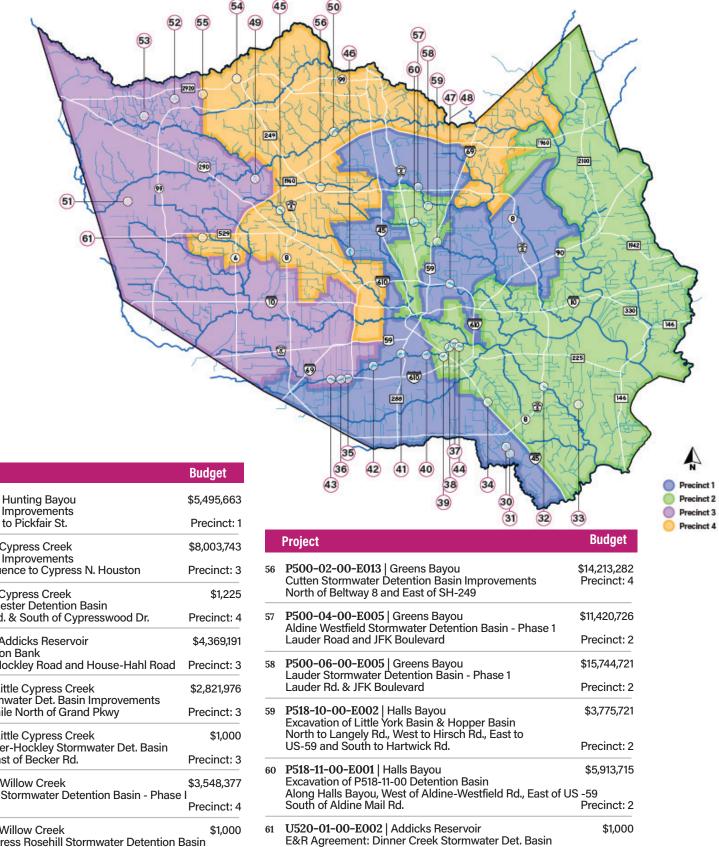


Capital Projects Total Budget: \$231,896,372

Active Construction Projects - November 2021

	Project	Budget
30	A120-00-00-C003 Clear Creek	\$5,755,382
	Mud Gully Channel Conveyance Improvements From Basin A520-03-00 to Sagerock Dr.	Precinct: 1
31	A520-00-00-E003 Clear Creek Phase 3 Construction of South Belt	\$16,988,090
	Stormwater Detention Basin	Precinct: 1
32	B100-00-00-E002 Armand Bayou Widening & Deepening of Armand Bayou Beltway 8 to Spencer Hwy	\$5,105,163
		Precinct: 2
33	B509-03-00-E002 Armand Bayou Widening and Deepening of Armand Bayou at Beltway 8	\$2,111,794 3
	East to Spencer Hwy	Precinct: 2
34	C106-03-00-C007 Sims Bayou Phase 4 Channel Conveyance Improvement	\$6,482,958
	East of I-45 at Shawnee to S. of Edgebrook	Precinct: 2
	D100-00-B030 Brays Bayou Federal Flood Control Project Multi-Site Project	\$20,530,795 Precinct: 3
35	D100-00-B030 Brays Bayou	Precinct: 3
36	South Rice Blvd. Bridge D100-00-00-B031 Brays Bayou Chimney Rock Bridge	Precinct: 3
	D100-00-00-B047 Brays Bayou Federal Flood Control Project Multi-Site Project	\$49,431,397 Precinct: 1, 2, 3
37	D100-00-00-B006 Brays Bayou	Precinct: 2
38	S. 75th Bridge D100-00-00-B008 Brays Bayou Lawndale Bridge	Precinct: 2
39	D100-00-B009 Brays Bayou Telephone Bridge	Precinct: 2
40	D100-00-00-B0011 Brays Bayou Calhoun Bridge	Precinct:
41	D100-00-00-B0015 Brays Bayou Almeda Bridge	Precinct:
42	D100-00-00-B026 Brays Bayou Buffalo Speedway Bridge	Precinct:
43	D100-00-00-B033 Brays Bayou Hillcroft Bridge	Precinct: 3
44	D100-00-00-B038 Brays Bayou UPRR Galveston Sub	Precinct: 2
4 5	E100-00-00-E005 White Oak Bayou	\$20,818,83
	Phase 4 Channel Conveyance Improvements E. of IH-45 at Shawnee to S. of Edgebook	Precinct: 4
46	E100-00-00-E006 White Oak Bayou White Oak Bayou Federal Flood Risk Reduction Project Channel Modifications - Discrete Segment 106	\$13,021,335
	Cole Creek to Hollister Rd.	Precinct: 1
4 7	H100-00-00-E005 Hunting Bayou Hunting Bayou Federal Flood Risk Management Project Along Hunting Bayou from US-59 to Homestead Det. Po	\$16,338,008 and Precinct: 1





FM-527 and Greenhouse Rd.

Precinct: 4