

2018 Bond Program Monthly Update

Harris County Commissioners Court – March 2022



It was a busy month for the Harris County Flood Control District with 5 community engagement meetings including:

- **SIMS BAYOU WATERSHED-** C144-00-00 Conveyance Improvements project
- **ARMAND BAYOU WATERSHED-** Genoa Red Bluff Stormwater Detention Basin
- **GALVESTON BAY WATERSHED-** Deer Creek F212-00-00 Stormwater Conveyance Improvement project
- **CYPRESS CREEK WATERSHED-** Cypress Creek Watershed Implementation Program
- **LITTLE CYPRESS CREEK WATERSHED-** Little Cypress Creek L100 Stormwater Conveyance Improvements and Mueschke East Stormwater Detention Basin

We also celebrated \$9.95 million in federal funding for a stormwater detention basin in the Brays Bayou watershed. Allocated for the Meyergrove Stormwater Detention Basin in Brays Bayou, the partner funds will be used for the design and construction of the 7.5-acre stormwater detention basin located near the intersection of N. Braeswood Blvd and Interstate Highway 610. The funding was allocated through the FY22 government spending bill and goes toward a project in Congresswoman Lizzie Fletcher's district (TX-07). This project is one of six "Community Project Funding" requests approved by Congress totaling more than \$41 million.

We also broke ground on two stormwater detention basin projects - K120-00-00-E001 Harris County Municipal Utility District (MUD) 249 agreement and K120-03-00-E001 Z-02 Partnership with Harris County Water Control & Improvement District No. 110 and Harris County MUD 249. The K120-00-00-E001 Harris County Municipal Utility District (MUD) 249 basin is designed to take in and temporarily hold approximately 37 acre-feet, or more than 12 million gallons, of stormwater during heavy rain events. K120-03-00-E001 Z-02 Partnership with Harris County Water Control & Improvement District (HCWCID) No. 110 and Harris County MUD 249 project is a tri-party stormwater detention basin expansion project (Flood Control District, MUD 249 and WCID 110) located about a 1/4 mile north of the first project.

Construction Contracts Awarded

Last Month – Count

1

Total – Count

45

Total – Amount

\$370M

Agreements Awarded

Last Month – Count

6

Last Month – Amount

\$60K

Total – Count

437

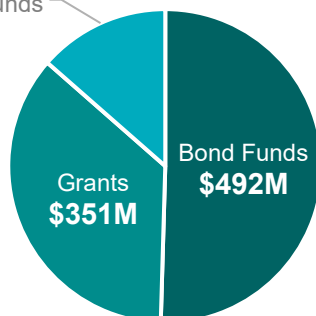
Total – Amount

\$336M

Total Spending through Mar 2022

\$967M

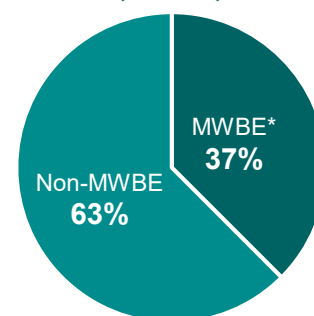
Other Local Funds
\$132M



Professional Services Invoices Paid

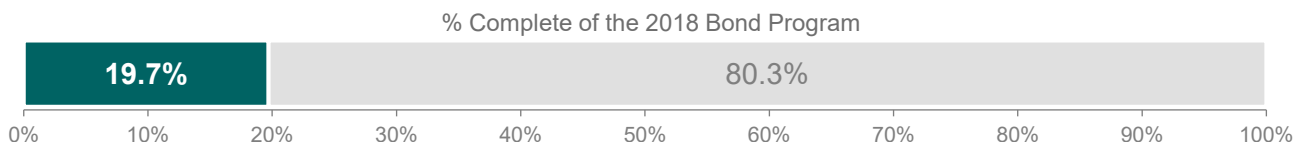
Total Invoiced – 03/1/2022 to 03/30/2022

\$1, 727,270



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

Overall Progress



Key Performance Indicators*

SPI
.97

**SPI is Schedule Performance Index. Closest to 1 is the best, with anything above or below that as indicators for trending. 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
– TotalBuyouts Funding Secured –
Spent to Date**718****457****\$516M****\$136M**

Projects Changing Stages

Project ID	Project Name	Stage Ending	Stage Starting
U700-01-00-Y001	West Harris County Mitigation Bank	Feasibility	Preliminary Engineering
F101-06-00-E002	Partnership Project with City of La Porte to Reduce the Risk of Flooding Along F101-06-00	Preliminary Engineering	Design
P500-06-00-E005	Lauder Stormwater Detention Basin - Phase 1	Construction	Turnover & Startup
U502-10-00-E001	ROW Acquisition, Development, Design, and Construction of Detention Basin, HCFCD Unit No. U502-10-00	Project Initiation	Preliminary Engineering
W100-00-00-Y002	Fluvial Geomorphic Assessment to Improve the Stability and Resiliency of Buffalo Bayou	Feasibility	Complete
E101-00-00-P002	Little White Oak Bayou feasibility study (E101-00-00-P002)	Feasibility	Complete
F216-00-00-E001	F216-00-00 Feasibility Study	Project Initiation	Feasibility
P118-09-00-E001	P118-09-00 Conveyance and Detention Improvements	Feasibility	Preliminary Engineering
D100-00-00-B008	Brays Bayou Federal Flood Control Project Telephone, Lawndale, South 75th and Alameda Bridge Replacements Discrete Segments 102A, 102B, 101A and 105B	Construction	Turnover & Startup
D100-00-00-B026	Brays Bayou Federal Flood Control Project Buffalo Speedway Bridge Replacement and Approach Roadway Replacement Discrete Segment 108A	Construction	Turnover & Startup
D500-11-00-E001	Meyergrove Detention Basin	Design	Construction

In the News

The following represent construction notices distributed by the Harris County Flood Control District in March 2022. To view more information, log on to hcfcd.org and visit the “Latest News” section.

Flood Control District Celebrates Federal Funding for Critical Flood Risk Reduction Project

(March 2022)

Earmarked funding by Congresswoman Lizzie Fletcher to fund stormwater detention basin in Brays Bayou.

On March 23, 2022, the Harris County Flood Control District attended an event at the site of the Meyergrove Stormwater Detention Basin in Brays Bayou to celebrate \$9.95 million in federal funding for the project. The funding was allocated through the FY22 government spending bill and goes toward a project in Congresswoman Lizzie Fletcher's district (TX-07).

The partner funds will be used for the design and construction of the 7.5-acre stormwater detention basin located near the intersection of Braeswood Drive and Interstate Highway 610. Alongside Harris County Flood Control District Executive Director Dr. Tina Petersen and Congresswoman Fletcher were Harris County Commissioner Rodney Ellis, Houston Mayor Sylvester Turner and Houston City Council members Abbie Kamin, David Robinson and Sallie Alcorn.

"This community has been impacted by a number of serious flood events over the last decade, and this project will be able to provide much-needed flood mitigation to residents," said Petersen. "We are grateful for Congresswoman Fletcher delivering these funds and for all of our federal partners advocating for these critical efforts in D.C. on behalf of Harris County."

The Meyergrove Stormwater Detention Basin is currently in the design stage of the project lifecycle. Once final design is approved and complete, construction is anticipated to start in Fall 2022 and be completed by Spring 2023.

Construction Update for Drainage Repairs in the Buffalo Bayou Watershed Basin *(March 2022)*

In spring 2022, the Flood Control District will begin a channel maintenance project along HCFCD Unit# W167-04-00 from Chatterton Drive to approximately 3,100 feet downstream. The project will address the channel conveyance capacity issues and restore the channel back to its original design capacity.

Construction equipment will access the work area via N. Dairy Ashford Road and Chatterton Drive. Motorists are urged to be alert to truck traffic when passing near construction access points and along truck routes. The Flood Control District appreciates your patience through the duration of this project. More information about the Flood Control District's maintenance projects can be found at www.hcfcd.org/maintenance. Should you have any questions or comments, please visit www.hcfcd.org/contact-us.

Project ID: W167-04-00-X013
Precinct: 4
Contract Amount: \$1,000.00
Contractor: LECON, INC.
Contract Amount: Approximately \$390,000
Construction Start: Spring 2022
Construction Duration: 90 days
Project Web Page:
hcfcd.org/contact-us

Groundbreaking for Two Partnership Projects in the Cypress Creek Watershed *(March 2022)*

K120-00-00-E001 Harris County MUD 249

An agreement regarding a detention basin expansion project between MUD 249 and the Harris County Flood Control District. Construction recently started on this partnership project within the limits of Harris County Municipal Utility District No. 249 to build stormwater detention that will:

- Mitigate for future drainage improvements in existing subdivisions
- Provide flood risk reduction in the Cypress Creek watershed

The project is being managed by Harris County MUD 249 and includes the construction of a stormwater detention basin on a 6.810-acre site near the junction of Lemm Gully K120-00-00 and its tributary Wunsche Gully K120-03-00, north of Cypresswood Drive between Interstate Highway 45 and the Hardy Toll Road. The basin is designed to take in and temporarily hold approximately 37 acre-feet, or more than 12 million gallons of stormwater during heavy rain events. The Flood Control District contributed approximately \$777,000 in 2018 Bond funding toward the project, under Bond ID Z-02 for partnership projects. Harris County MUD 249 spent more than \$610,000 to purchase the right-of-way from the Flood Control District and contributed nearly \$165,000 toward design and construction, plus additional right-of-way.

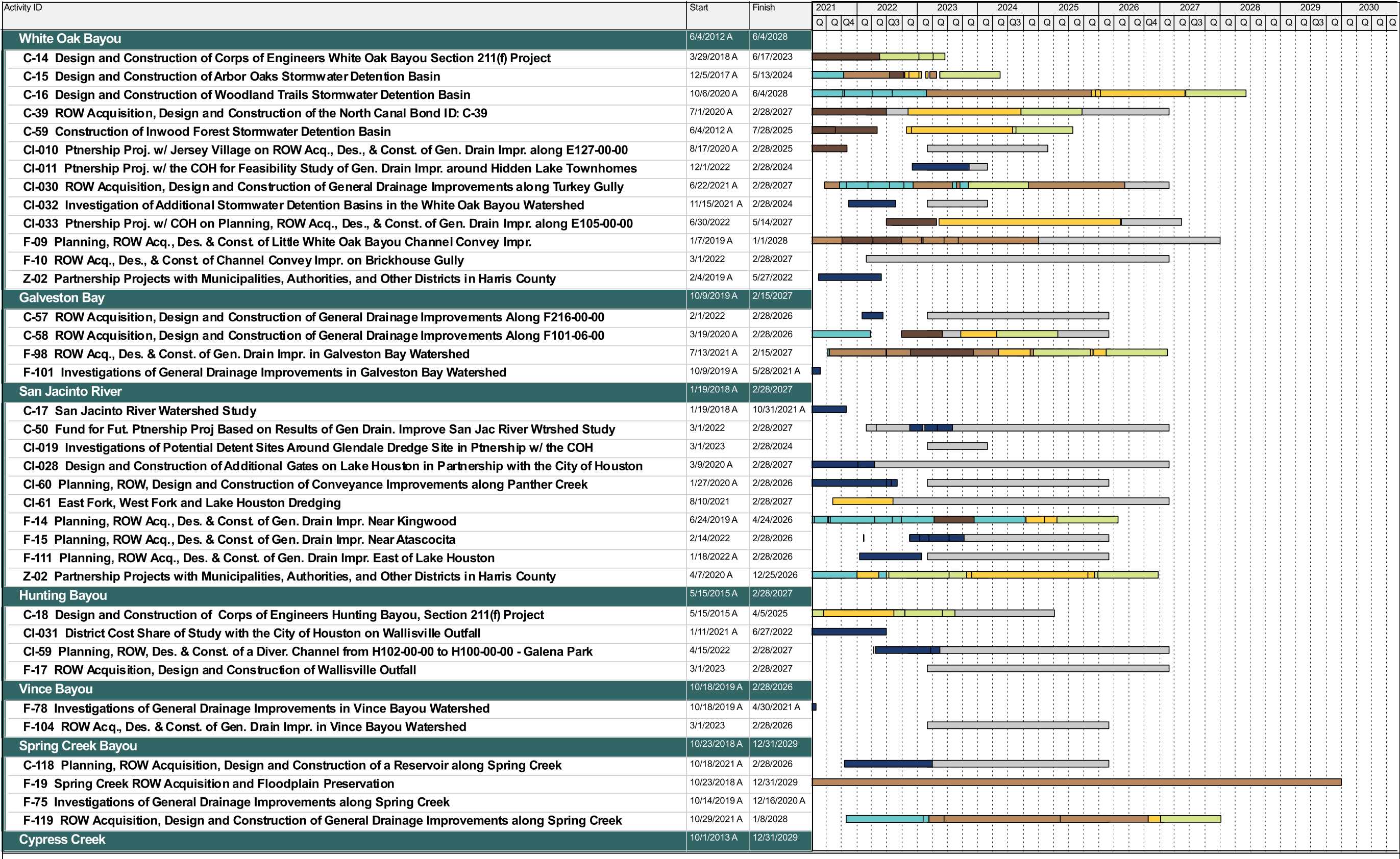
K120-03-00-E001 Z-02 Partnership with Harris County Water Control & Improvement District No. 110 and Harris County 249

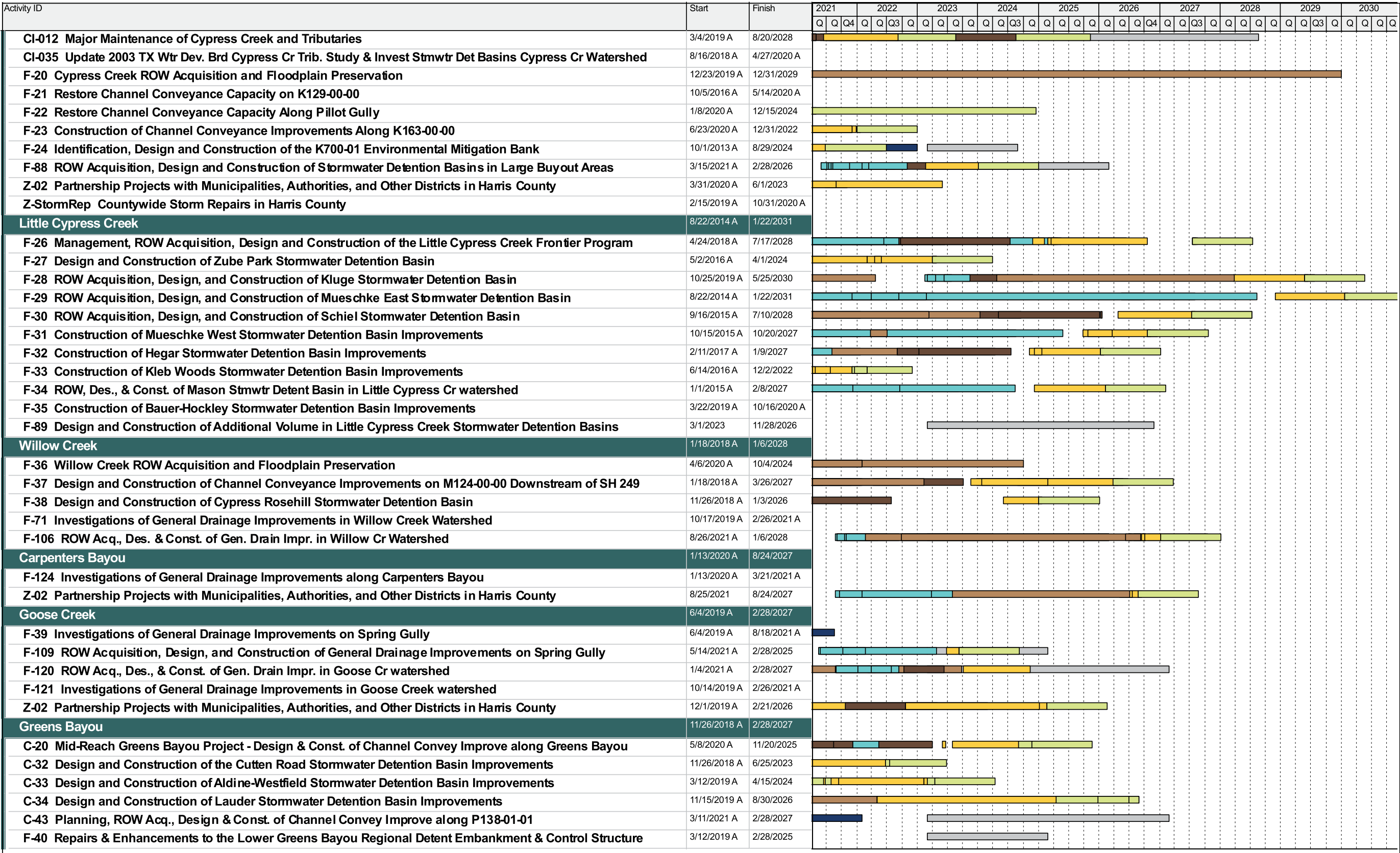
K120-03-00-E001 Z-02 Partnership with Harris County Water Control & Improvement District (HCWCID) No. 110 and Harris County MUD 249 project is a tri-party detention basin expansion project (Flood Control District, MUD 249 and WCID 110) which is about a 1/4 mile north of the first project. HCWCID 110 and Harris County MUD 249 each own a basin which are adjacent to each other, and each have a maintenance berm that they share. The purpose of the project is to remove the common berm to obtain additional volume in the combined detention basin for flooding reduction. The additional volume due to the project is 12.2 acre-feet which is approximately 3.9 million gallons.

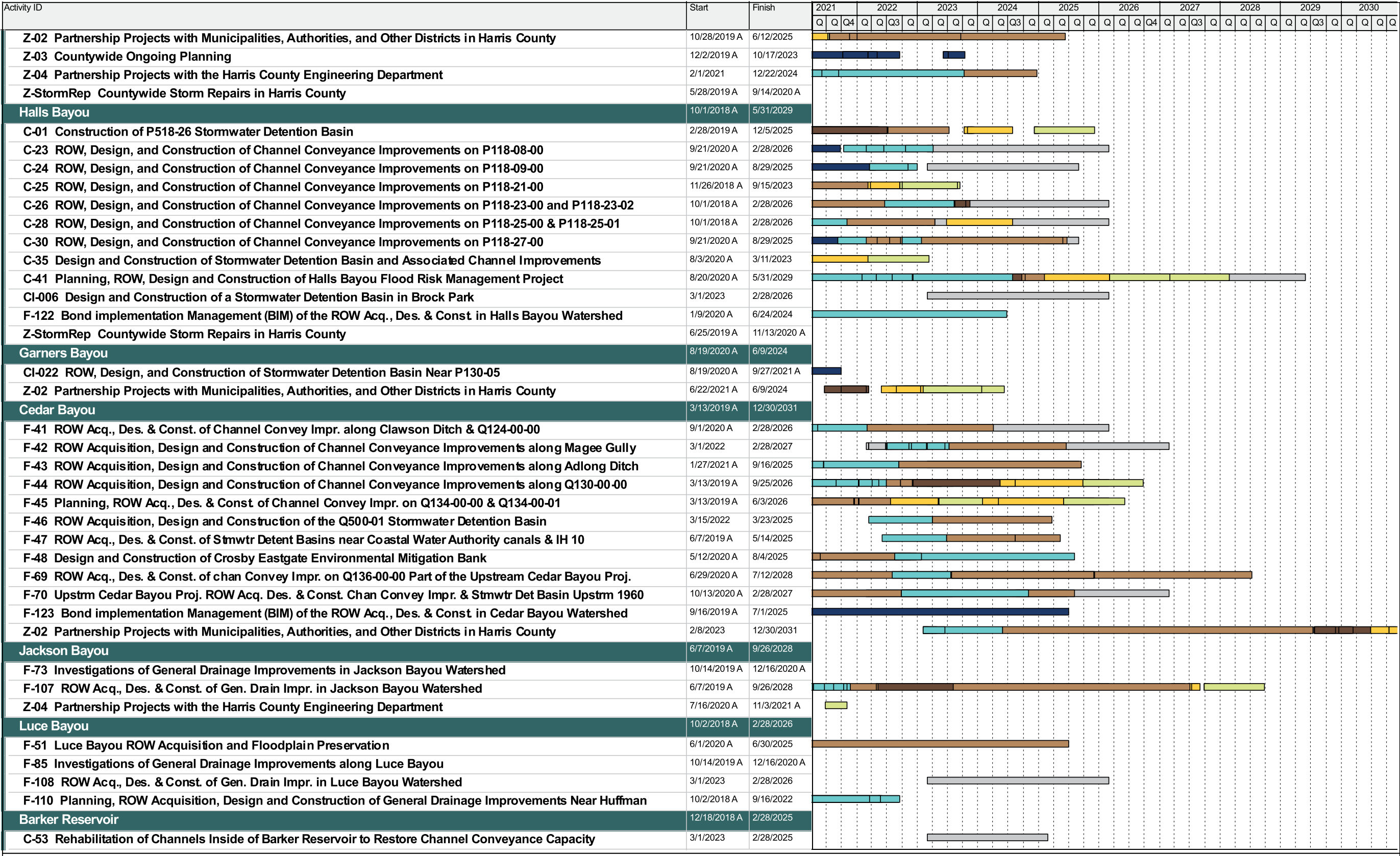
2018 Bond Program Master Schedule

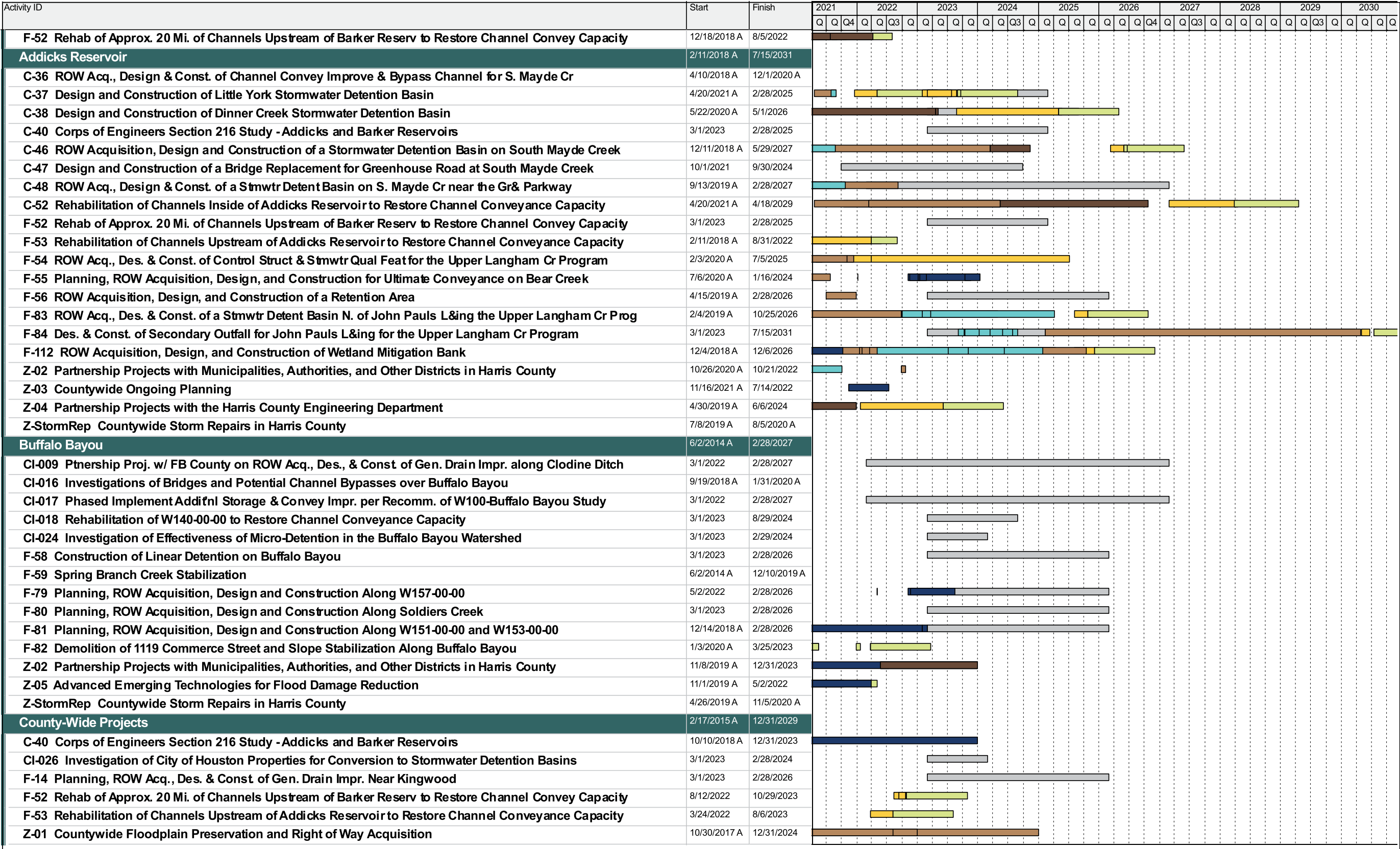
Activity ID	Start	Finish	2021	2022			2023			2024			2025			2026			2027			2028			2029			2030		
			Q	Q	Q4	Q	Q	Q3	Q	Q	Q	Q	Q	Q3	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q3	Q	Q	Q		
Clear Creek	2/29/2012 A	4/8/2031																												
C-03 ROW Acq., Design & Const. of Corps of Engineers Clear Cr Federal Flood Risk Management Project	2/29/2012 A	12/28/2028																												
C-05 Const. of S. Belt Stmwtr Detent Basin Along Beamer Rd & Dagg Rd Stmwtr Detent Basin on Clear Cr	11/16/2018 A	7/17/2023																												
CI-001 Rehabilitation of the Clear Creek channel to Restore Channel Conveyance Capacity	1/1/2019 A	2/28/2027																												
CI-003 Rehabilitation of the A214-00-00 channel to Restore Channel Conveyance Capacity	3/1/2023	8/29/2024																												
CI-013 Restore Channel Conveyance Capacity on A104-00-00	3/1/2023	2/28/2025																												
CI-039 Partnership Project with Nassau Bay to Reduce the Risk of Flooding	2/18/2019 A	2/26/2019 A																												
CI-62 Construction of Stormwater Detention Basins Near FM 528 and Dixie Farm Road in Friendswood	12/1/2018 A	4/8/2031																												
F-01 ROW Acquisition, Design, and Construction of Channel Conveyance Improvements on A135-00-00	5/11/2020 A	1/12/2024																												
F-02 ROW Acquisition, Design and Construction of Hughes Stormwater Detention Basin on Clear Creek	5/16/2016 A	5/28/2025																												
F-76 Identification, Design and Construction of the A700-01 Environmental Mitigation Bank	12/4/2018 A	3/27/2026																												
Z-02 Partnership Projects with Municipalities, Authorities, and Other Districts in Harris County	7/1/2019 A	9/21/2024																												
Armand Bayou	12/3/2018 A	4/23/2027																												
C-06 ROW Acquisition, Design and Construction of B112-00-00 and Tributaries Conveyance Improvements	11/15/2019 A	4/19/2024																												
C-07 Design and Construction of the B509-03-00 and B509-04-00 Stormwater Detention Basins	12/15/2020 A	8/29/2025																												
C-44 Armand Bayou ROW Acquisition and Floodplain Preservation	8/1/2019 A	8/29/2025																												
CI-021 Brookglen Flooding Mitigation Analysis	3/12/2019 A	2/26/2020 A																												
CI-023 ROW, Design and Construction of Conveyance Improvements along Horsepen Bayou	12/3/2018 A	5/12/2024																												
F-72 Design and Construction of the Baywood Stormwater Detention Basin	1/21/2019 A	12/24/2023																												
F-96 Investigations of General Drainage Improvements in Armand Bayou Watershed	10/8/2019 A	4/30/2021 A																												
F-99 ROW, Design and Construction of Conveyance Improvements along Armand Bayou	10/1/2021	4/23/2027																												
Z-02 Partnership Projects with Municipalities, Authorities, and Other Districts in Harris County	5/29/2020 A	3/16/2027																												
Sims Bayou	5/18/2018 A	5/15/2029																												
C-08 ROW Acq., Design, & Const. of Stmwtr Detent Basin & Channel Convey Improve along Salt Water Ditch	3/30/2020 A	2/28/2026																												
C-09 ROW Acq., Design, & Const. of S. Post Oak Stmwtr Detent Basin & Channel Convey Improve C147-00-00	5/18/2018 A	7/27/2027																												
C-10 Design and Construction of South Shaver Stormwater Detention Basin	1/31/2020 A	8/29/2025																												
CI-027 Planning, ROW Acq., Des., & Const. of Impr. for the Tributaries of C106-00-00	3/1/2023	8/29/2024																												
CI-029 Restore Channel Conveyance Capacity Along C102-00-00	12/2/2022	2/28/2026																												
CI-037 Restore Channel Conveyance Capacity Along C146-00-00	3/1/2022	5/15/2029																												
F-92 Planning, ROW Acquisition, Design and Construction Along C116-00-00	10/16/2020 A	2/28/2026																												
F-93 Planning, ROW Acquisition, Design and Construction Along C124-00-00	12/1/2021 A	2/28/2026																												
F-94 Planning, ROW Acquisition, Design and Construction Along C143-00-00	2/26/2021 A	2/28/2026																												
F-95 Planning, ROW Acquisition, Design and Construction Along C144-00-00	4/1/2020 A	1/24/2028																												
Brays Bayou	9/30/2002 A	2/28/2027																												
C-11 Design and Construction of Project Brays Corps of Engineers Section 211(f) Project	9/30/2002 A	7/19/2023																												
C-12 ROW, Design and Construction of Conveyance Improvements along Poor Farm Ditch	3/1/2023	2/28/2026																												
C-13 Planning, ROW, Design and Construction of Conveyance Improvements along Bintliff Ditch	11/5/2019 A	2/28/2026																												
CI-025 Investigation of Additional Stomwater Detention Basins in the Brays Bayou Watershed	3/1/2023	2/29/2024																												
CI-034 Investigation of Channel Improvements Upstream of Fondren Road on Brays Bayou	8/2/2021 A	2/28/2024																												
CI-038 Restore Channel Conveyance Capacity Along D115-00-00	3/1/2022	2/28/2026																												
F-07 Planning, ROW Acq., Des., & Const. of Channel Convey Impr. on Keegans Bayou	12/17/2019 A	2/28/2027																												
F-08 Planning, ROW Acq., Des., & Const. of Channel Convey Impr. on Fondren Diversion Channel	3/3/2021	2/28/2026																												
Z-02 Partnership Projects with Municipalities, Authorities, and Other Districts in Harris County	5/2/2019 A	9/12/2023																												

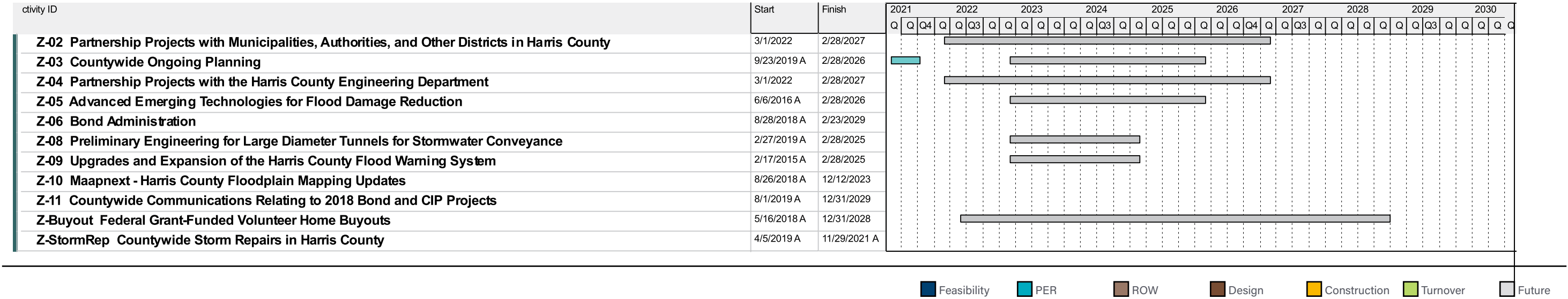


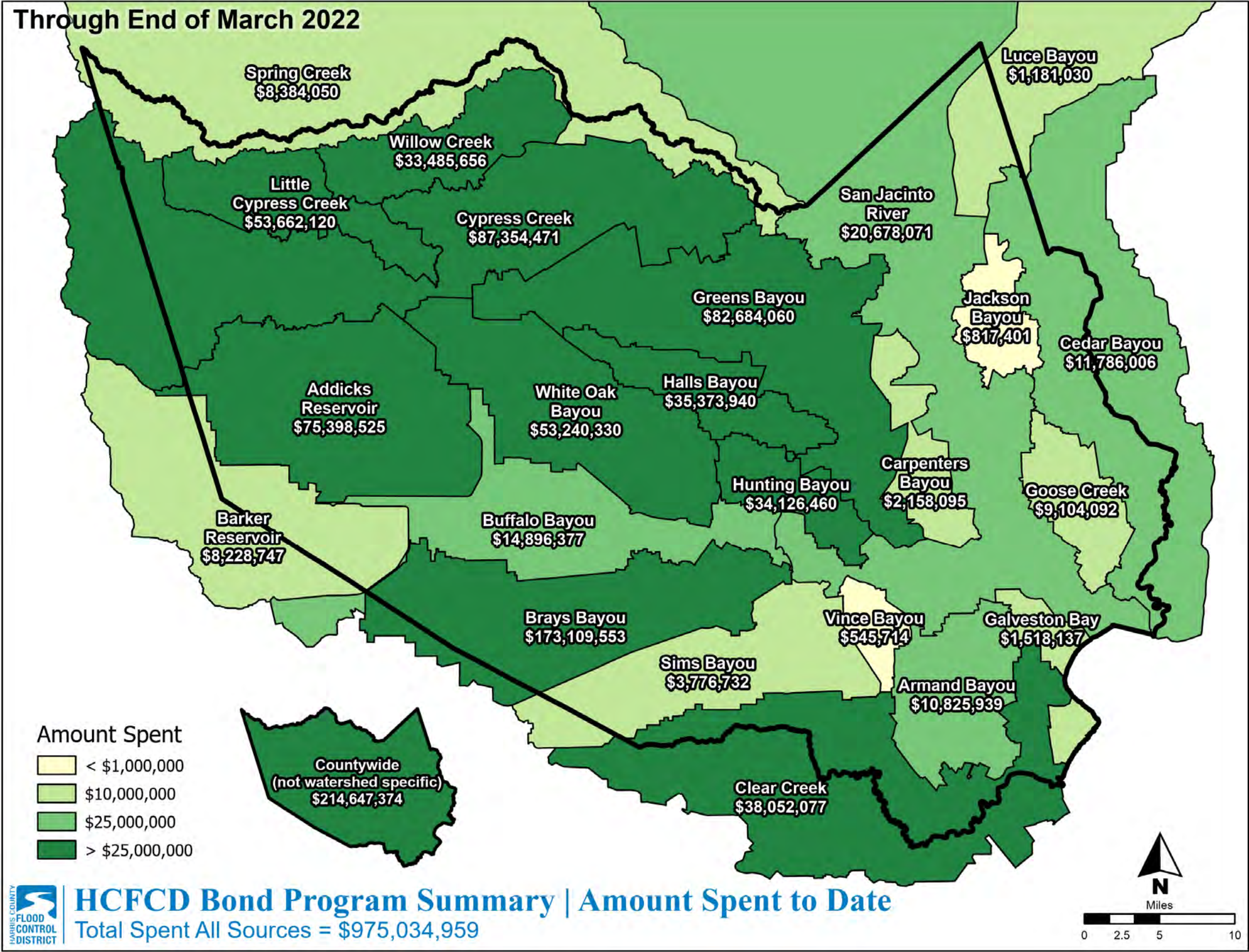


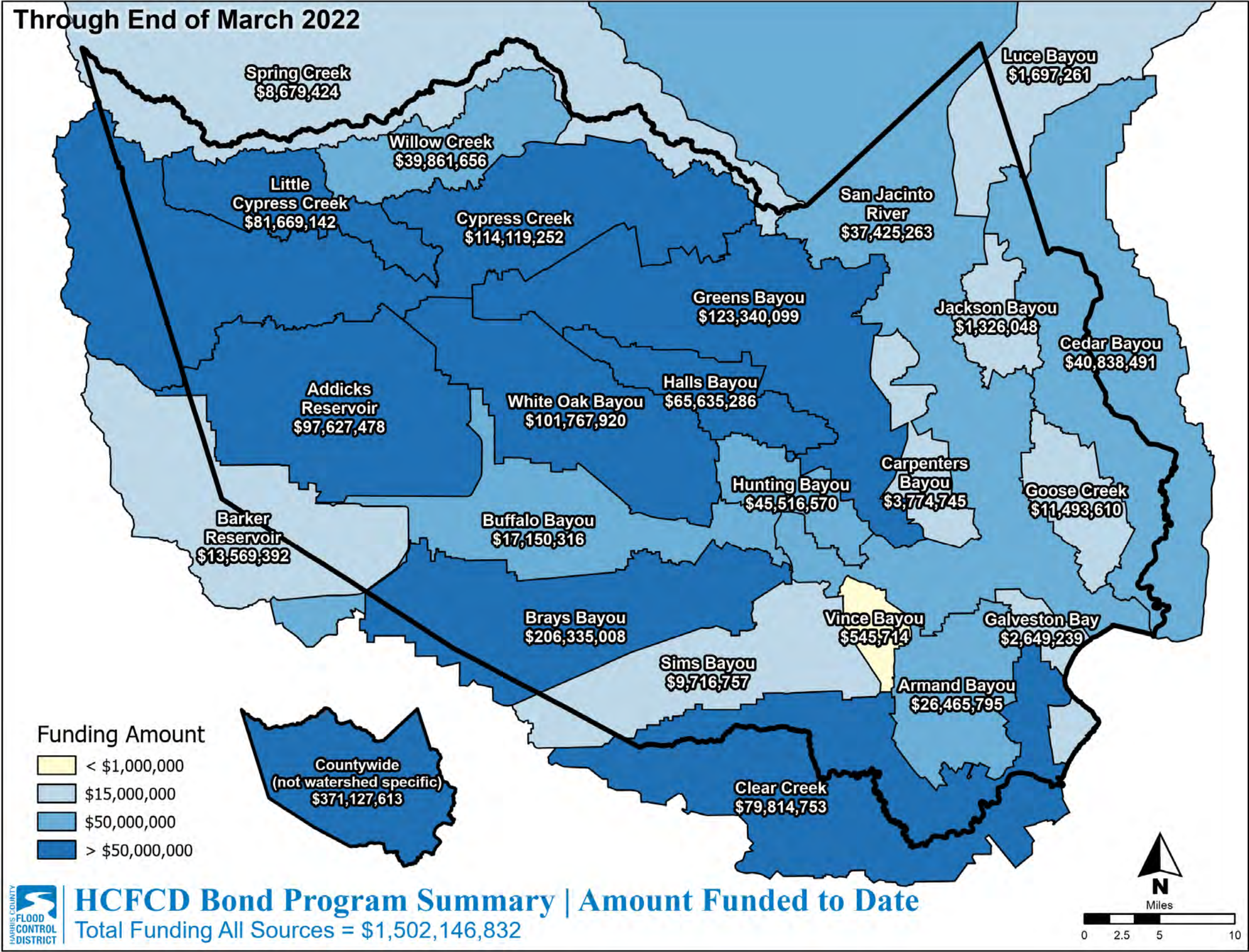












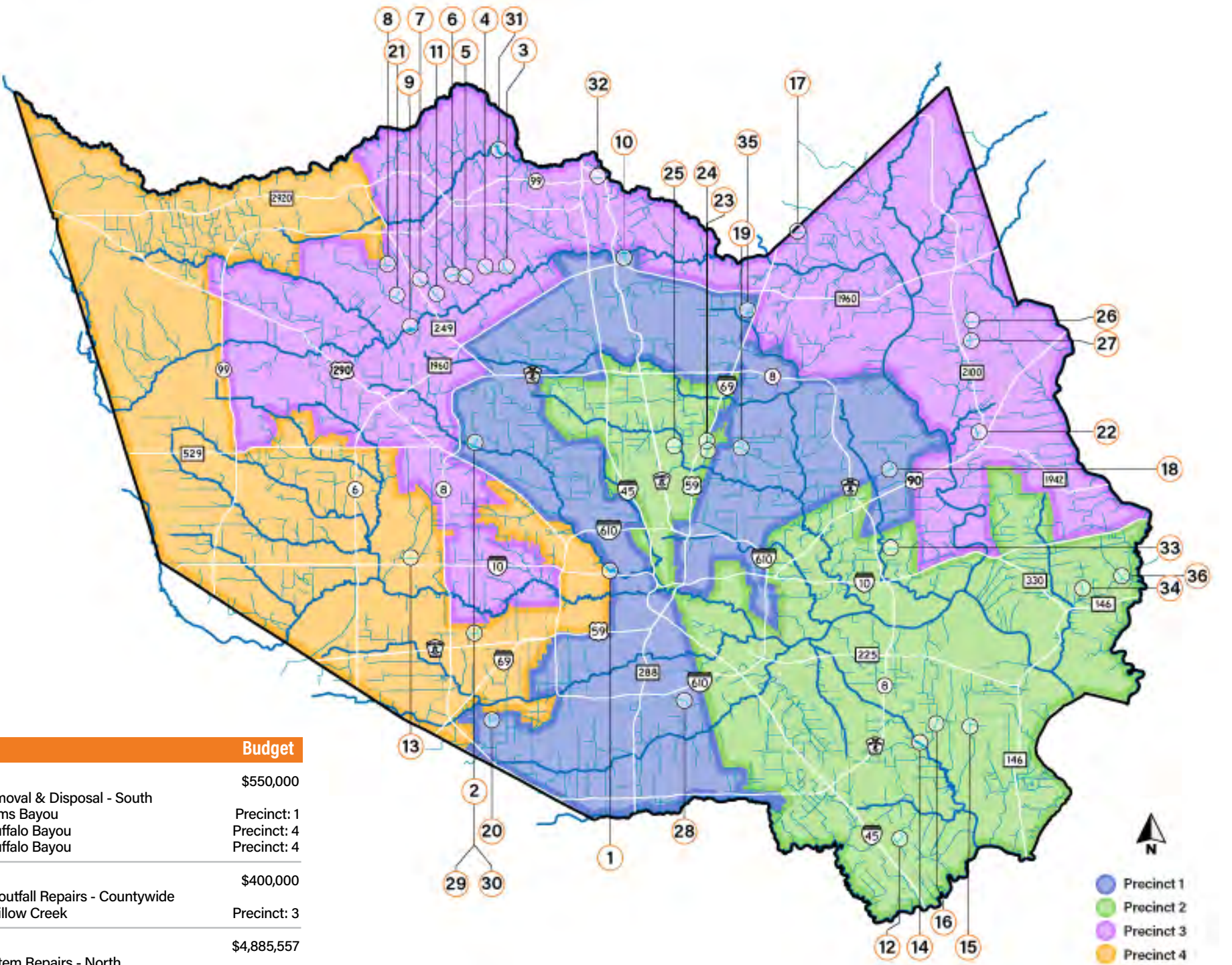


Maintenance Projects

Total Budget: \$64,999,957
Active Construction Projects - April 2022

Project		Budget
1	E100-00-00-X164 White Oak Bayou 2021 White Oak Bayou Repairs	\$1,309,374 Precincts: 1, 2, 4
2	E125-00-00-X007 White Oak Bayou Channel Improvements & Repair	\$3,494,955 Precinct: 1
K100-00-00-X084 Major Maintenance of Cypress Creek Tributaries		\$13,430,031
3	K131-00-00-X029 Cypress Creek	Precinct: 3
4	K131-02-00-X027 Cypress Creek	Precinct: 3
5	K133-00-00-X034 Cypress Creek	Precinct: 3
6	K133-03-00-X007 Cypress Creek	Precinct: 3
K100-00-00-X085 Major Maintenance of Cypress Creek Tributaries		\$3,299,607
7	K140-04-00-X001 Cypress Creek	Precinct: 3
8	K142-07-00-X013 Cypress Creek	Precinct: 3
9	K164-00-00-X003 Cypress Creek	Precinct: 3
10	K117-00-00-X003 Cypress Creek Reinforced Concrete Spillway and Stilling Basin	\$1,197,520 Precinct: 1
Z100-00-00-X280 General Drainage System Repairs - North		\$16,396,126
11	K140-00-00-X020 Cypress Creek	Precinct: 2
Z100-00-00-X281 General Drainage System Repairs - South		\$16,569,166
12	B104-03-02.1-X008 Armand Bayou	Precinct: 2
13	W167-04-00-X005 Buffalo Bayou	Precinct: 4
Z100-00-00-X304 Drainage System Repairs - Southeast Area		\$1,392,750
14	B100-00-00-X011 Armand Bayou	Precinct: 2
15	B106-00-00-X011 Armand Bayou	Precinct: 2
16	B112-00-00-X010 Armand Bayou	Precinct: 2
Z100-00-00-X312 Drainage Sediment Removal & Disposal - North		\$725,000
17	G103-38-02-X004 San Jacinto River	Precinct: 3
18	N117-00-00-X003 Carpenters Bayou	Precinct: 1
19	P125-00-00-X008 Greens Bayou	Precinct: 1
Z100-00-00-X314 On-Call Sediment Removal County Wide		\$300,000
20	D140-01-00-X002 Brays Bayou	Precinct: 1
21	K142-03-00-X009 Cypress Creek	Precinct: 3
Z100-00-00-X316 Drainage System Repairs		\$1,049,871
22	G103-09-00-X001 San Jacinto River	Precinct: 3
23	P118-14-00-X001 Halls Bayou	Precinct: 2
24	P118-14-02-X001 Halls Bayou	Precinct: 2
25	P118-20-00-X003 Halls Bayou	Precinct: 2
26	R102-00-00-X005 Jackson Bayou	Precinct: 3
27	R102-10-01-X001 Jackson Bayou	Precinct: 3

Project		Budget
Z100-00-00-X319 On-Call Sediment Removal & Disposal - South		\$550,000
28	C118-00-00-X012 Sims Bayou	Precinct: 1
29	W147-00-00-X005 Buffalo Bayou	Precinct: 4
30	W147-02-00-X005 Buffalo Bayou	Precinct: 4
Z100-00-00-X320 On-Call Storm Sewer outfall Repairs - Countywide		\$400,000
31	M100-00-00-X007 Willow Creek	Precinct: 3
Z100-00-00-X324 General Drainage System Repairs - North		\$4,885,557
32	J114-00-00-X008 Spring Creek	Precinct: 3
33	N118-00-00-X009 Carpenters Bayou	Precinct: 2
34	O105-00-00-X013 Spring Gully & Goose Creek	Precinct: 2
35	P130-09-00-X009 Greens Bayou	Precinct: 1
36	Q112-00-00-X016 Cedar Bayou	Precinct: 2



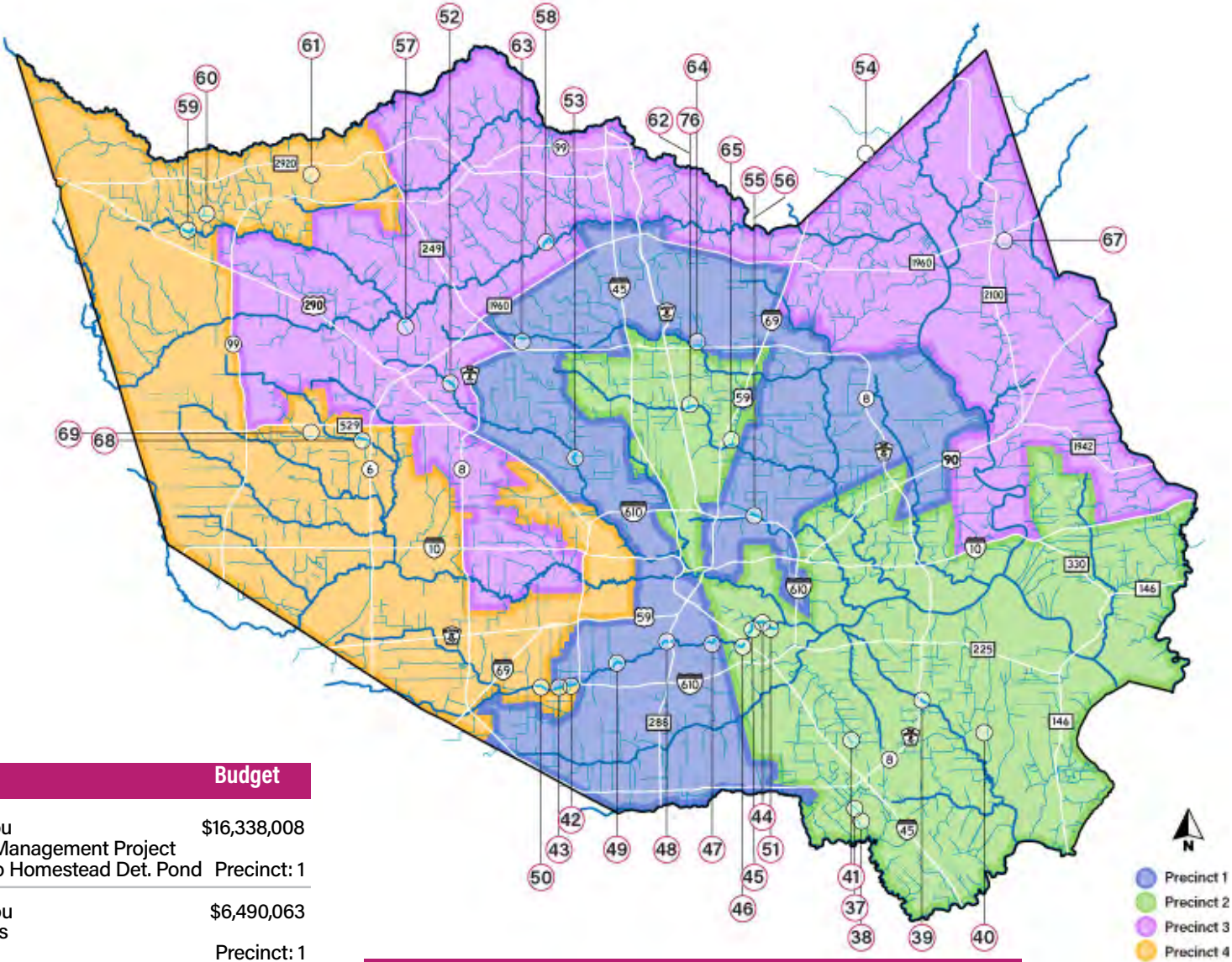


Capital Projects

Total Budget: \$226,476,745

Active Construction Projects - April 2022

Project	Budget
37 A120-00-00-C003 Clear Creek Mud Gully Channel Conveyance Improvements From Basin A520-03-00 to Sagerock Dr.	\$5,755,382 Precinct: 2
38 A520-03-00-E003 Clear Creek Phase 3 Construction of South Belt Stormwater Detention Basin	\$16,988,090 Precinct: 2
39 B100-00-00-E002 Armand Bayou Widening & Deepening of Armand Bayou Beltway 8 to Spencer Hwy	\$5,105,163 Precinct: 2
40 B509-03-00-E002 Armand Bayou Excavation of Genoa-Red Bluff Stormwater Detention Basin Phase 1	\$2,111,794 Precinct: 2
41 C506-01-00-E004 Sims Bayou South Shaver Stormwater Detention Basin	\$9,732,379 Precinct: 2
D100-00-00-B030 Brays Bayou Federal Flood Control Project Multi-Site Project	\$20,980,112
42 D100-00-00-B030 Brays Bayou South Rice Blvd. Bridge	Precinct: 1, 4
43 D100-00-00-B031 Brays Bayou Chimney Rock Bridge	Precinct: 1, 4
D100-00-00-B047 Brays Bayou Federal Flood Control Project Multi-Site Project	\$49,755,840 Precinct: 1, 2, 4
44 D100-00-00-B006 Brays Bayou S. 75th Bridge	Precinct: 2
45 D100-00-00-B008 Brays Bayou Lawndale Bridge	Precinct: 2
46 D100-00-00-B009 Brays Bayou Telephone Bridge	Precinct: 2
47 D100-00-00-B011 Brays Bayou Calhoun Bridge	Precinct: 1
48 D100-00-00-B015 Brays Bayou Alameda Bridge	Precinct: 1
49 D100-00-00-B026 Brays Bayou Buffalo Speedway Bridge	Precinct: 1
50 D100-00-00-B033 Brays Bayou Hillcroft Bridge	Precinct: 4
51 D100-00-00-B038 Brays Bayou UPRR Galveston Sub	Precinct: 2
52 E100-00-00-E005 White Oak Bayou Phase 4 Channel Conveyance Improvements E. of IH-45 at Shawnee to S. of Edgebrook	\$21,060,380 Precinct: 1, 3
53 E100-00-00-E006 White Oak Bayou White Oak Bayou Federal Flood Risk Reduction Project Channel Modifications - Discrete Segment 106 Cole Creek to Hollister Rd.	\$13,090,867 Precinct: 1
54 G503-06-00-E002 San Jacinto River Excavation & Removal Agreement Woodridge Stormwater Detention Basin	\$1,000 Precinct: 3



Project	Budget
55 H100-00-00-E005 Hunting Bayou Hunting Bayou Federal Flood Risk Management Project Along Hunting Bayou from US-59 to Homestead Det. Pond	\$16,338,008 Precinct: 1
56 H100-00-00-E006 Hunting Bayou Channel Conveyance Improvements UPRR Yard Upstream to Pickfair St.	\$6,490,063 Precinct: 1
57 K163-00-00-E002 Cypress Creek Channel Conveyance Improvements Cypress Creek Confluence to Cypress N. Houston	\$8,005,705 Precinct: 3
58 K500-23-00-E001 Cypress Creek E&R Agreement: TC Jester Detention Basin East of T.C. Jester Blvd. & South of Cypresswood Dr.	\$1,225 Precinct: 3
59 L500-01-00-E003 Little Cypress Creek Zube Stormwater Detention Basin & Conveyance Improvements - Phase 3	\$10,960,373 Precinct: 4
60 L514-01-00-E002 Little Cypress Creek E&R Agreement: Bauer-Hockley Stormwater Det. Basin Bauer-Hockley Rd. East of Becker Rd.	\$1,000 Precinct: 4
61 M528-01-00-E001 Willow Creek E&R Agreement: Cypress Rosehill Stormwater Detention Basin Cypress Rosehill Rd. South of Seidel Cemetary Rd.	\$1,000 Precinct: 4
62 P118-21-00-E001 Halls Bayou Open Channel & Concrete Box Improvements Lauder Rd. & JFK Boulevard	\$4,772,320 Precinct: 2
63 P500-02-00-E013 Greens Bayou Cutten Stormwater Detention Basin Improvements North of Beltway 8 and East of SH-249	\$14,213,282 Precinct: 1

Project	Budget
64 P500-04-00-E005 Greens Bayou Aldine Westfield Stormwater Detention Basin - Phase 1 Lauder Road and JFK Boulevard	\$11,420,726 Precinct: 2
65 P518-10-00-E002 Halls Bayou Excavation of Little York Basin & Hopper Basin North to Langely Rd., West to Hirsch Rd., East to US-59 and South to Hartwick Rd.	\$3,775,721 Precinct: 2
66 P518-11-00-E001 Halls Bayou Excavation of P518-11-00 Detention Basin Along Halls Bayou, West of Aldine-Westfield Rd., East of US -59 South of Aldine Mail Rd.	\$5,913,715 Precinct: 2
67 Q534-01-00-E001 Cedar Bayou E & R Agreement: Stormwater Detention Basin Intersection of FM 1960 and FM 2100	\$1,000 Precinct: 3
68 U500-01-00-E003 Addicks Reservoir E&R Agreement: W. Little York Stormwater Detention Basin West Little York and Langham Creek	\$1,000 Precinct: 4
69 U520-01-00-E002 Addicks Reservoir E&R Agreement: Dinner Creek Stormwater Det. Basin FM-527 and Greenhouse Rd.	\$1,000 Precinct: 4