

This month, the Flood Control District teams had much to celebrate. After more than 30 years of work, the Brays Bayou Federal Flood Damage Reduction Project (known as Project Brays) is complete. The completed project includes 21 miles of channel conveyance improvements from the Houston Ship Channel to Fondren Road and four stormwater detention basins. The project has reduced flooding risks for more than 15,000 structures in the Brays Bayou watershed and marks a huge milestone for the Flood Control District and other project partners.

In addition, May 2022 marked the completion of three projects in the Halls Bayou watershed. The Flood Control District completed construction of the Little York and Hopper stormwater detention basins and tributary P118-14-00 Channel Conveyance Improvements. The projects were funded through a combination of local and partner dollars and will reduce flood risks for more than 100 area structures. These projects are part of the overall Halls Bayou Implementation Program, which is a holistic approach to flood risk reduction efforts in the Halls Bayou, watershed containing more than a dozen individual projects.

The Flood Control District also hosted community engagement meetings to share updates and gather input on projects in the Armand Bayou watershed (Brookglen Stormwater Detention Basin) and the Cedar Bayou watershed (Channel Conveyance Improvements for Adlong Ditch Q128-00-00).

Construction Contracts Awarded

Total – Count

46

Total – Amount

\$382M

Agreements Awarded

Last Month – Count

11

Last Month – Amount

\$1.5M

Total – Count

454

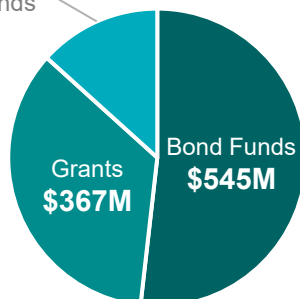
Total – Amount

\$338M

Total Spending through May 2022

\$1.05B

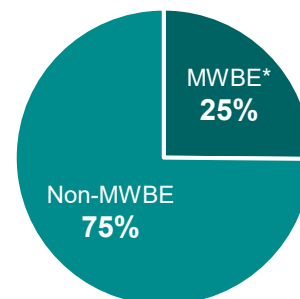
Other Local Funds
\$140M



Professional Services Invoices Paid

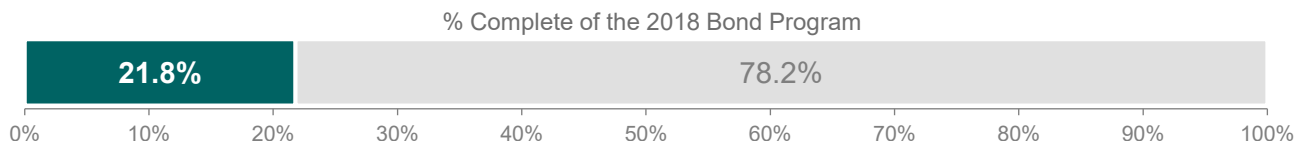
Total Invoiced – 05/01/2022 to 05/30/2022

\$7M



*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

382

Home Buyouts Completed
Includes CSD Mandatory Buyouts

781

Buyouts Funding Secured
– Total

\$516M

Buyouts Funding Secured –
Spent to Date

\$150M

In the News

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

30+ Year Flood Damage Reduction Effort “Project Brays” Now Complete *(May 2022)*

The Brays Bayou Federal Flood Damage Reduction Project (known as Project Brays), a \$480 million partnership effort between the Harris County Flood Control District and the U.S. Army Corps of Engineers - Galveston District (USACE) is now complete after more than 30 years of work.

The completed Project Brays includes 21 miles of channel conveyance improvements from the Houston Ship Channel to Fondren Road and four stormwater detention basins. The detention basins cover more than 800 acres that will hold a collective 3.5 billion gallons of stormwater that might otherwise flood area homes and businesses. Several bridges were also replaced or modified to accommodate channel widening and modifications. The project has reduced the flooding risk for more than 15,000 structures in the Brays Bayou watershed.

“This is a milestone for the Harris County Flood Control District and the residents of Harris County, as we strive to make our region more resilient. Project Brays is the largest partnership project the Flood Control District and U.S. Army Corps of Engineers have conducted, and we have worked together to reduce the risk and damages resulting from flooding events. Residents and businesses along Brays Bayou can look forward to benefiting from the Project Brays initiative for years to come,” said Dr. Tina Petersen, Harris County Flood Control District Executive Director.

Analysis and planning efforts for Project Brays began in the early 1980’s and construction started in 1993 with excavation on the first stormwater detention basin at Arthur Storey Park. The main channel-widening and modifications began in 2004.

A freshwater marsh was completed at Mason Park in 2005 followed by the completion of the Arthur Storey Park & Old Westheimer Stormwater Detention Basins in 2008 and the Eldridge Stormwater Detention Basin in 2015. The final basin, Willow Waterhole Stormwater Detention Basin, was completed in 2018, and channel modifications through Fondren Road were completed in 2021. The bridge projects to accommodate the channel widening and modifications concluded construction efforts this year.

"This ceremony marks a major milestone for the \$480 million Project Brays and represents a significant reduction in flood risk for the community. We look forward to continuing our partnership with the Harris County Flood Control District and delivering flood risk management projects for generations to come," said Colonel Timothy Vail, Commander and District Engineer of the US Army Corps of Engineers - Galveston District.

After the Bipartisan Budget Act of 2018 changed the project funding agreement to reimburse the Flood Control District for the federal and local shares of eligible costs, the Flood Control District incurred and was reimbursed by the federal government for all expenses. The City of Houston also provided additional funding for sidewalk enhancements on the newly constructed bridges. For more information on Project Brays, visit www.projectbrays.org.

Construction completed on three projects in Halls Bayou Watershed, benefitting approximately 100 area structures *(May 2022)*

The Harris County Flood Control District has completed construction of the Little York and Hopper stormwater detention basins, and Halls Bayou Tributary P118-14-00 Channel Conveyance Improvements (Bond ID C-35), located in the Halls Bayou watershed. The two stormwater detention basins were funded with local Flood Control District dollars, in combination with a Community Development Block Grant for Disaster Recovery (CDBG-DR), for a total project cost of \$3.8 million.

"Reducing chronic flooding has been one of my priorities since taking office. This project along Halls Bayou represents the kind of progress residents expect to see," said Harris County Precinct 2 Commissioner Adrian Garcia.

"Making Harris County more flood resilient requires a commitment to make smart investments and a county-wide strategy. Families moving here and companies hoping to invest and create jobs want to be in areas where their businesses and homes are free from flood fears. This project is one piece of the county-wide puzzle to keeping us safer from flood waters," he continued.

Both stormwater detention basins are located along Halls Bayou Tributary P118-14-00, located between Highway 59 and Hirsch Road. The Hopper Stormwater Detention Basin is located just north of Hopper Road, and the Little York Stormwater Detention Basin is located between Little York Road and Langley Road. The Little York and Hopper basins can hold an estimated 200-acre-feet, or approximately 65 million gallons, of stormwater that would otherwise flood homes and businesses. Two additional 12-ft x 10-ft box culverts were installed below Little York Road as part of the channel conveyance improvements.

Together, the stormwater detention basins and channel conveyance improvements will remove the 100-year floodplain flood plain from approximately 100 structures in the Halls Bayou watershed. These projects are part of the watershed-wide Halls Bayou Implementation Program, which includes more than 20 miles of channel conveyance improvements and construction of several stormwater detention basins estimated to hold more than 10,000 acre-feet, or approximately 32.6 billion gallons, of stormwater. "These projects will provide much-needed flood mitigation for the communities in this area, as well as the greater Halls Bayou watershed," said Dr. Tina Petersen, Executive Director of the Flood Control District.

"I'm excited to complete the remaining bond projects for this area and across Harris County."

For more information on the Little York Basin, Hopper Basin, and P118-14-00 Channel Conveyance Improvements project, visit www.hcfd.org/C35.

Demolition Scheduled at Former Raveneaux Country Club *(May 2022)*

On or about May 9, 2022, demolition will begin to remove all remaining structures on the former Raveneaux Country Club property now owned by the Harris County Flood Control District, including parking lots, a swimming pool. The demolition will be completed using standard construction equipment, including excavators, skid steers, and tractor trailers. The demolition and removal of material will take the contractor approximately 35 to 40 days, weather permitting. For safety reasons, the Flood Control District asks that the public stay away from the demolition site.

In March 2022, teams from the Flood Control District also planted a tree and shrub buffer along Cypresswood Drive. Plantings included approximately 75 native pine, oak and other trees and more than 200 native evergreen shrubs, such as yaupon, wax myrtle and cherry laurel. The plantings will be maintained by the Flood Control District for the next two years.

Negotiations with Cypress Forest Public Utility District continue as to future plans for this property. For more information on this project or to submit any questions, please visit: www.hcfcd.org/champions.

Construction Update for Drainage Repairs in the Carpenters Bayou Watershed *(May 2022)*

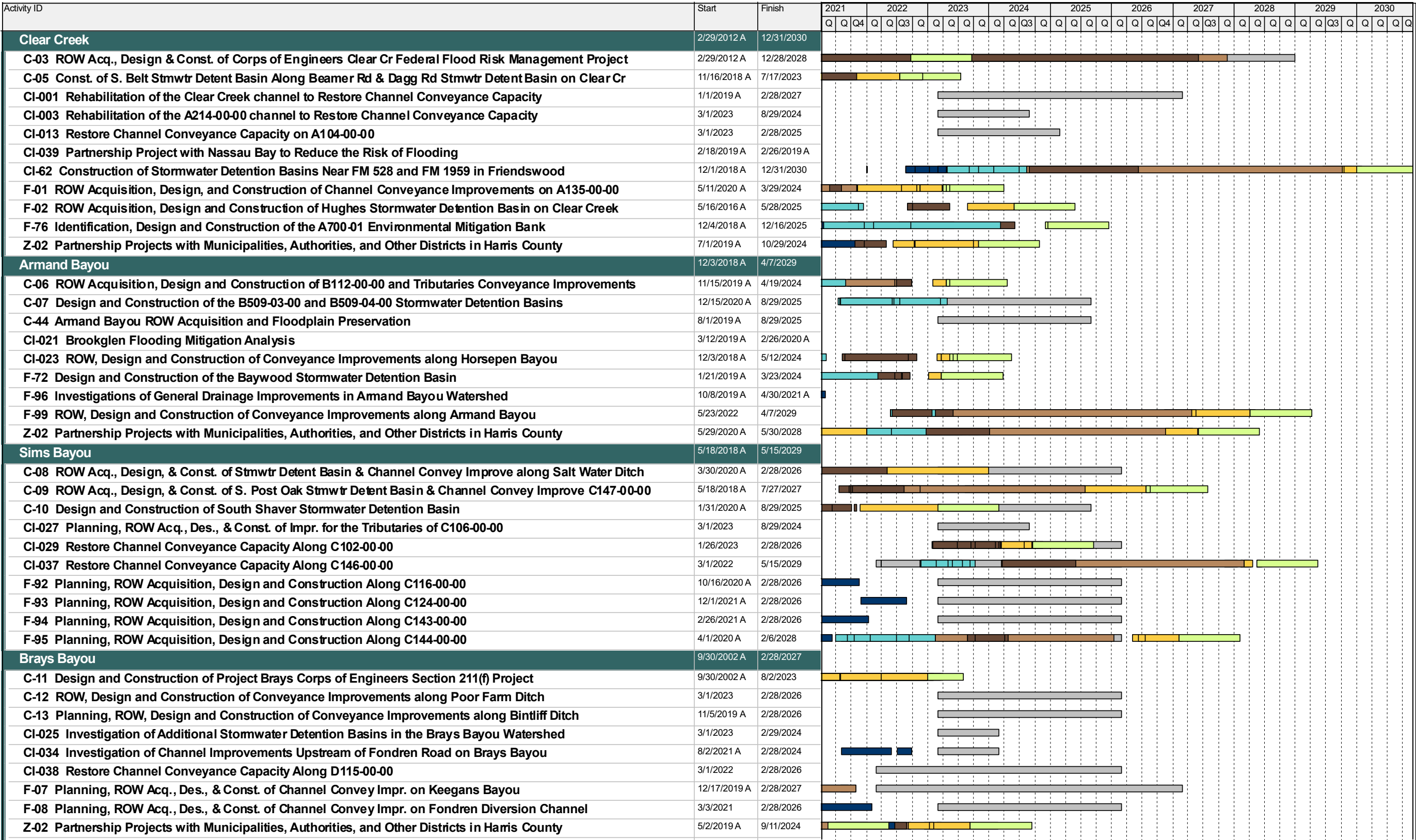
In spring 2022, the Flood Control District will begin a channel maintenance project along HCFCD Unit# N118-00-00 from channel N100-00-00 to Dell Dale Street. The project will restore the channel back to its original design capacity.

Construction equipment will access the work area via Dell Dale Street, Barkwith Lane, Ambrosden Lane, and Littleport Lane. 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.

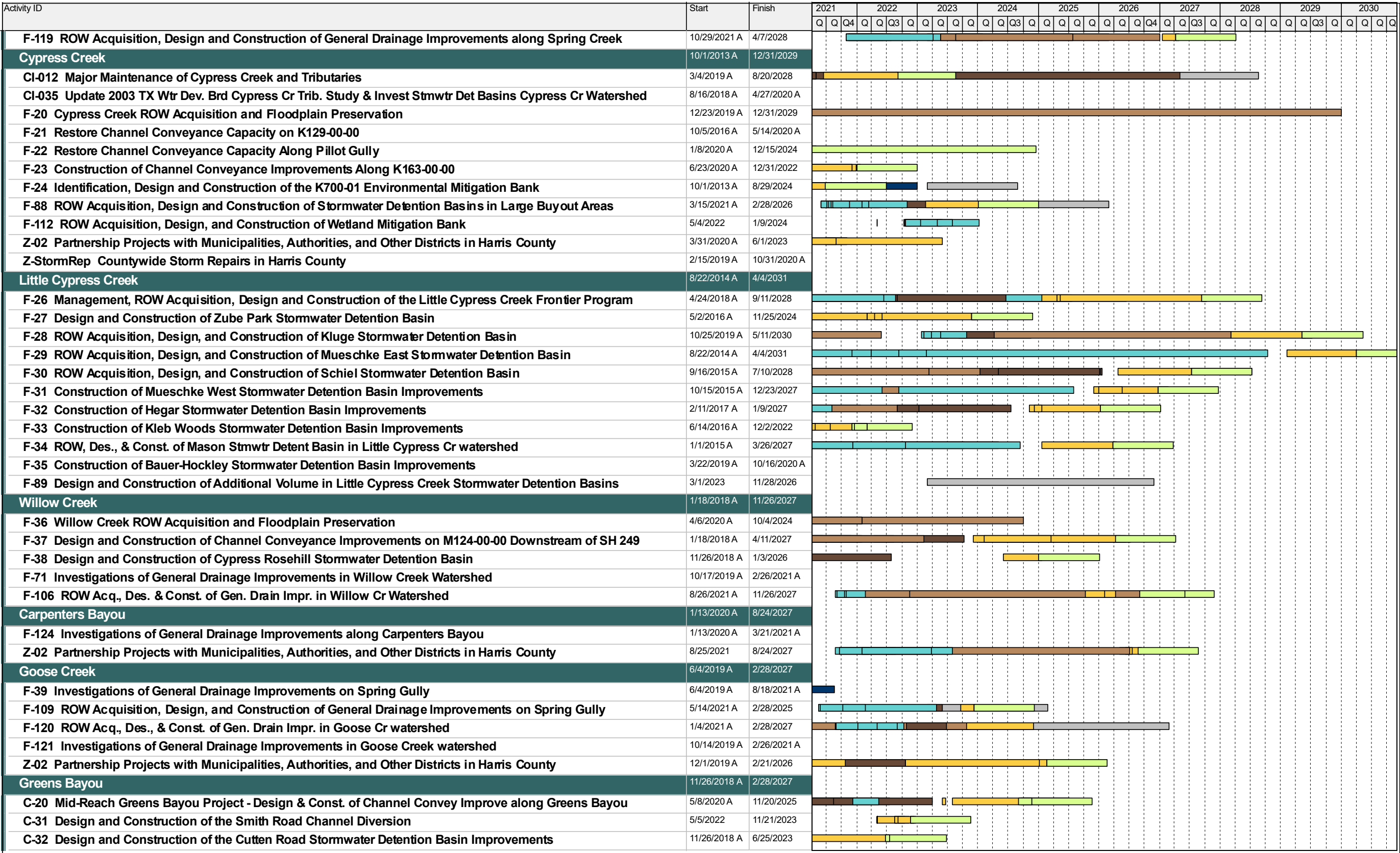
Project ID: N118-00-00-X009
Precinct: 2
Contractor: Environmental Allies, Inc.
Contract Amount: Approximately \$350,000
Construction Start: Spring 2022
Construction Duration: 110 days

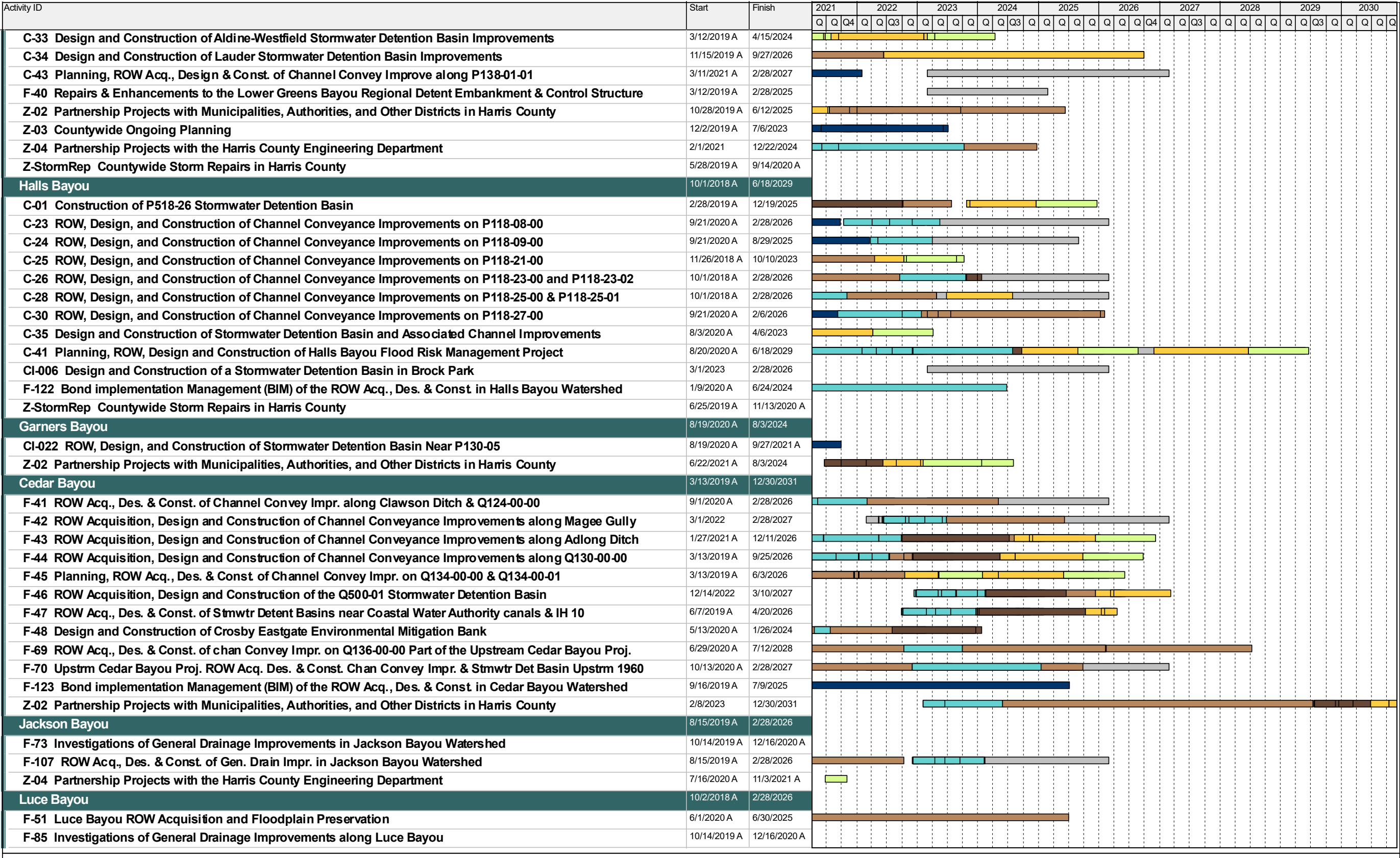
Project Web Page:
hcfcd.org/maintenance

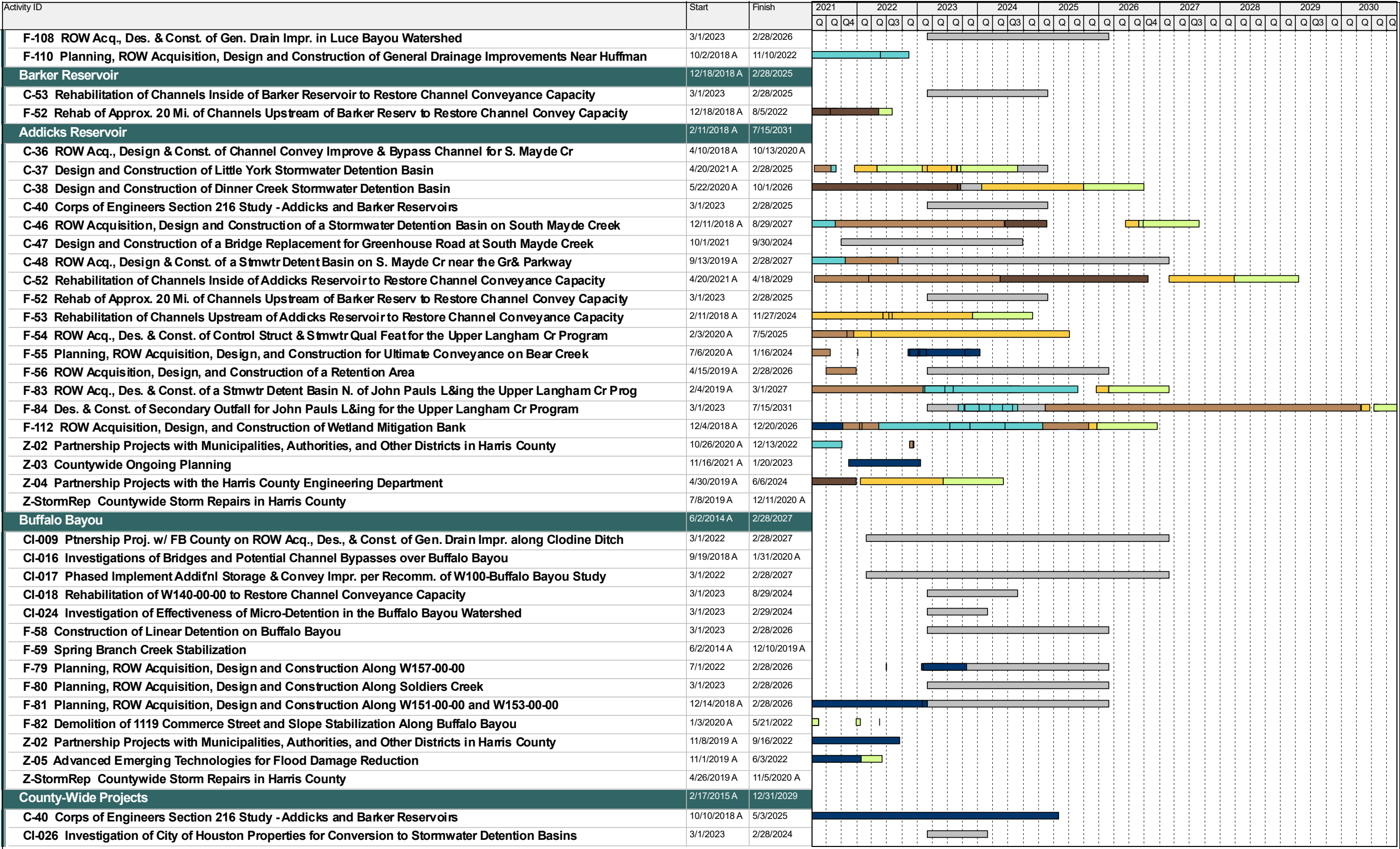
2018 Bond Program Master Schedule

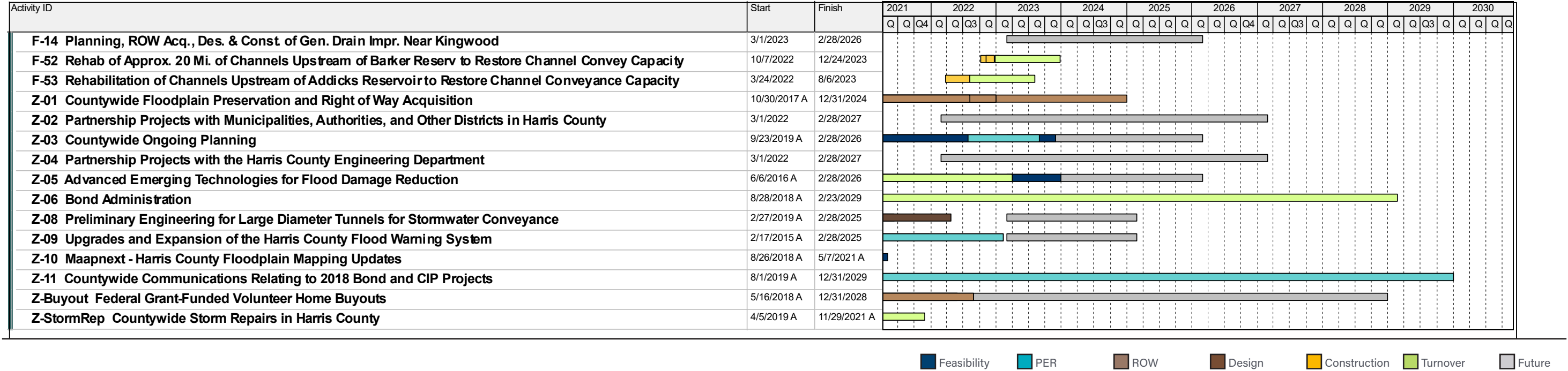


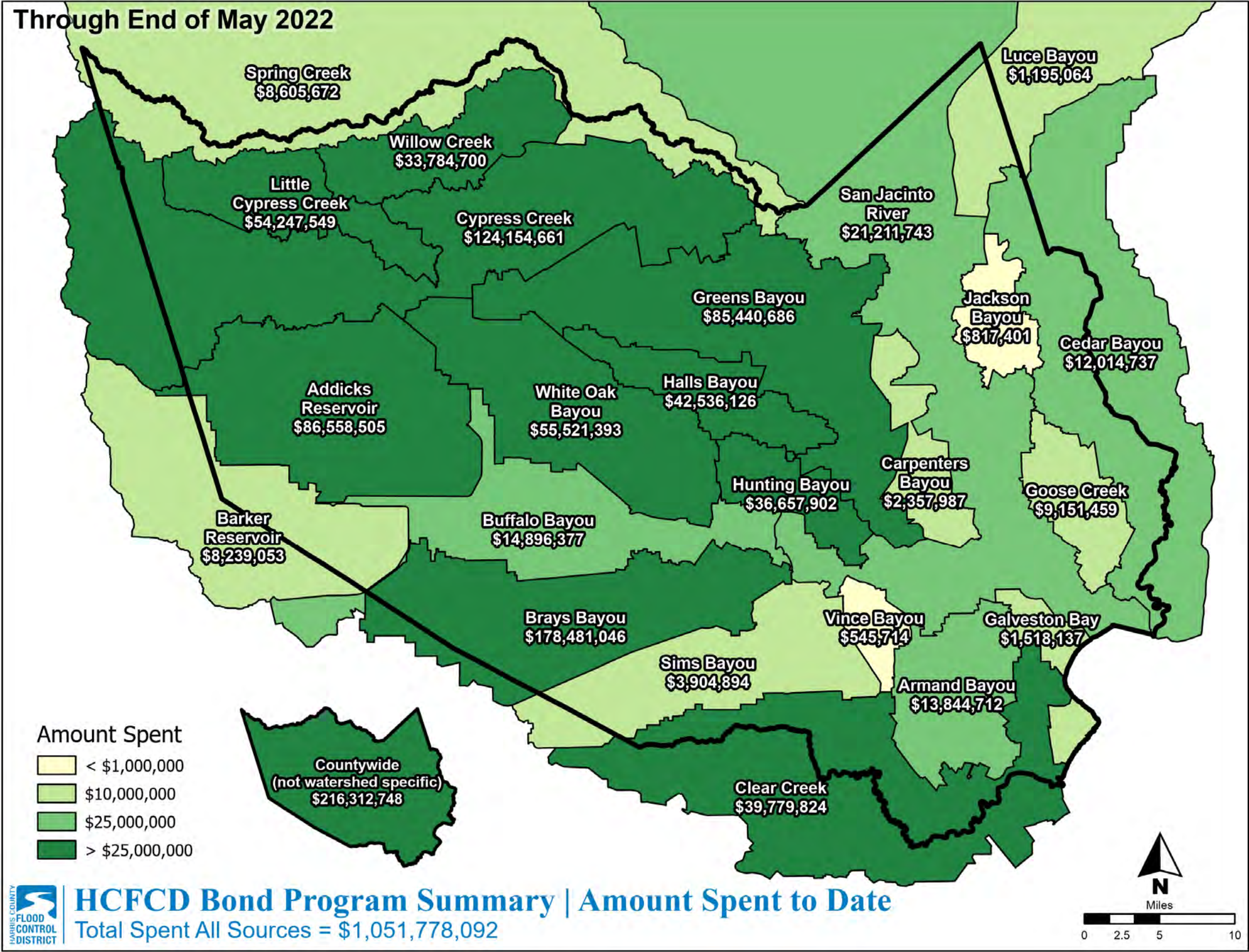
Feasibility PER ROW Design Construction Turnover Future

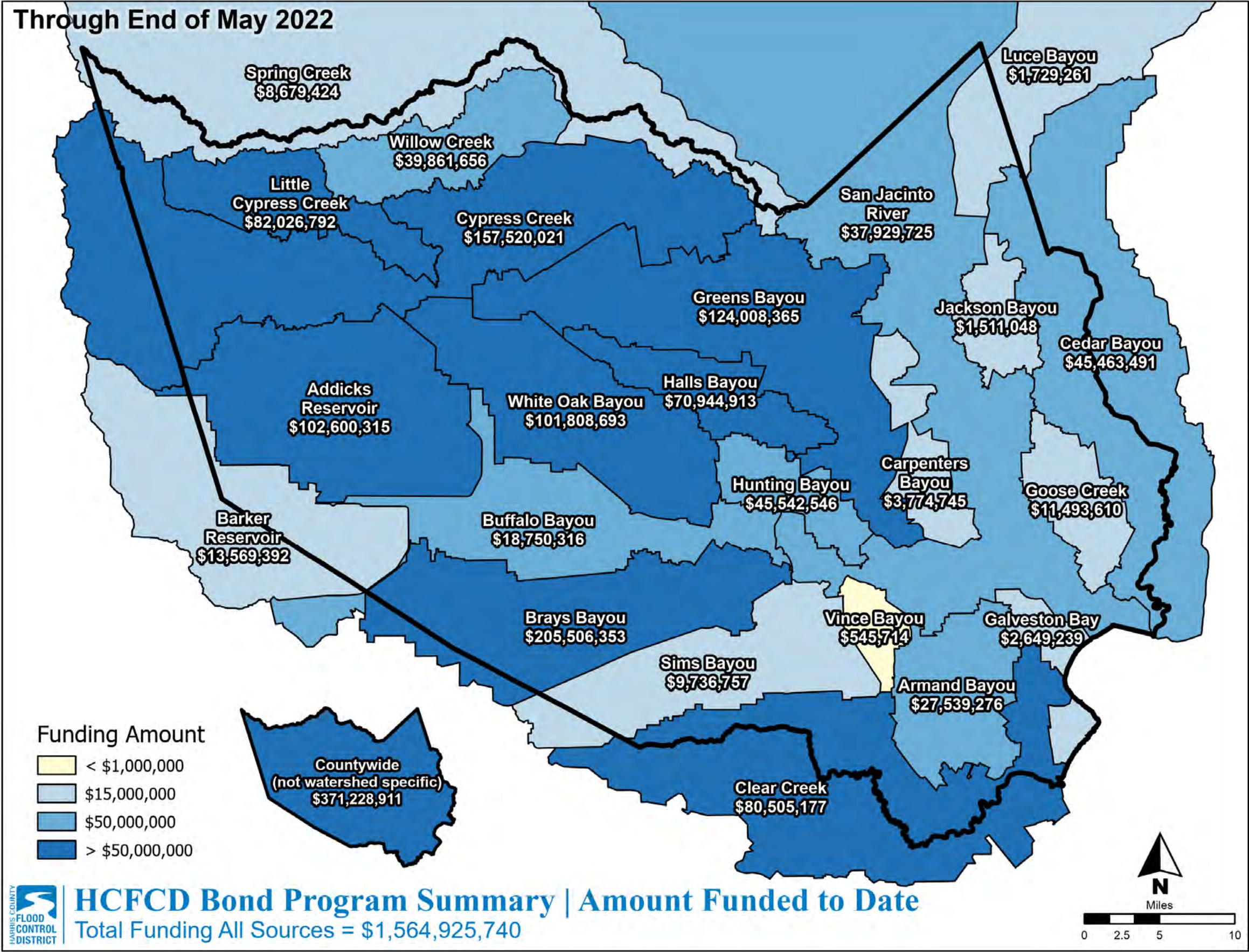












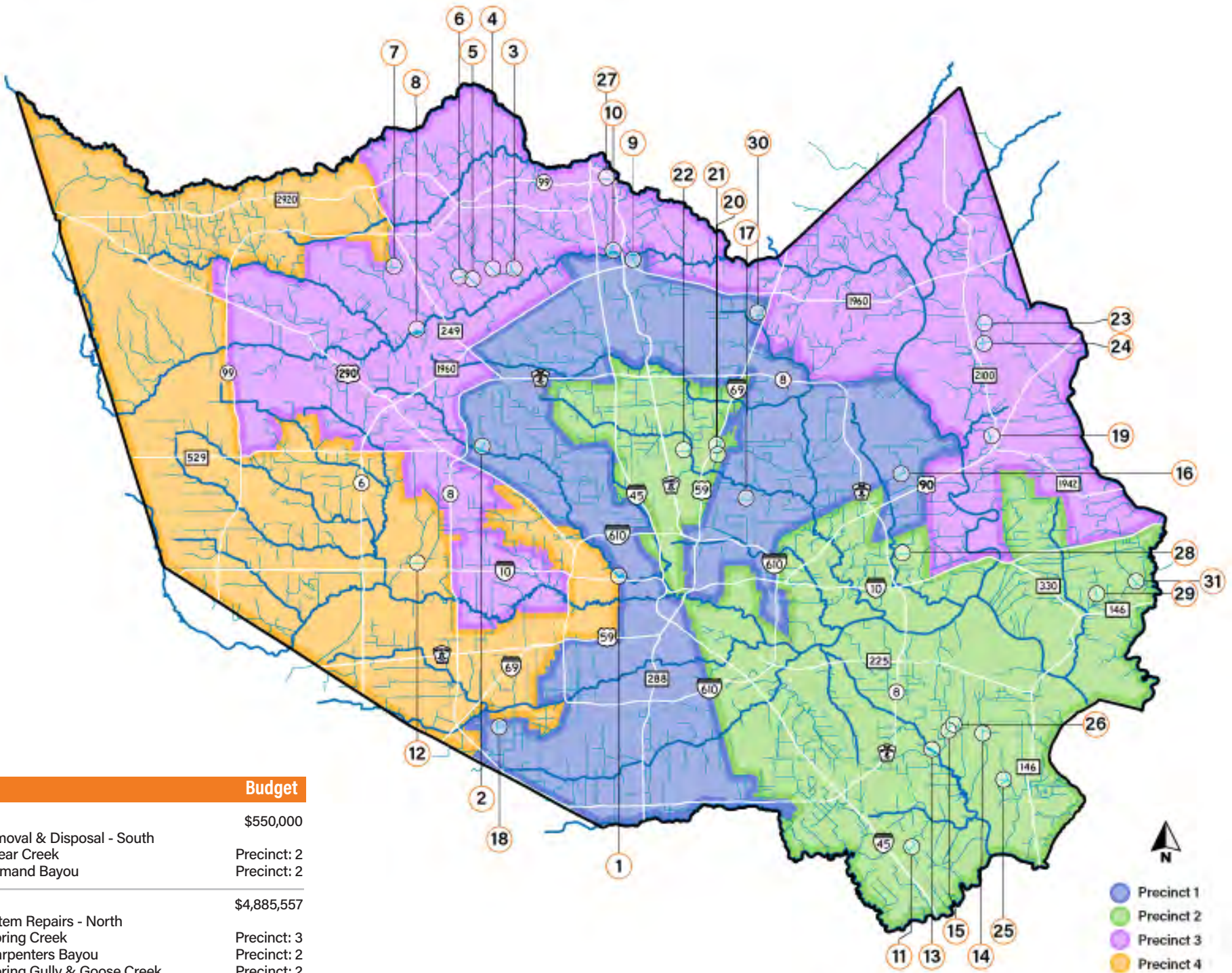


Maintenance Projects

Total Budget: \$64,650,957
Active Construction Projects - June 2022

Project		Budget
1	E100-00-00-X164 White Oak Bayou 2022 White Oak Bayou Repairs	\$1,390,374 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	K142-07-00-X013 Cypress Creek	Precinct: 3
8	K164-00-00-X003 Cypress Creek	Precinct: 3
9	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
10	K100-00-00-X097 Cypress Creek	Precinct: 3
Z100-00-00-X281 General Drainage System Repairs - South		\$16,569,166
11	B104-03-02.1-X008 Armand Bayou	Precinct: 2
12	W167-04-00-X005 Buffalo Bayou	Precinct: 4
Z100-00-00-X304 Drainage System Repairs - Southeast Area		\$1,392,750
13	B100-00-00-X011 Armand Bayou	Precinct: 2
14	B106-00-00-X011 Armand Bayou	Precinct: 2
15	B112-00-00-X010 Armand Bayou	Precinct: 2
Z100-00-00-X312 Drainage Sediment Removal & Disposal - North		\$995,000
16	N117-00-00-X003 Carpenters Bayou	Precinct: 1
17	P118-08-00-X004 Halls Bayou	Precinct: 1
Z100-00-00-X314 On-Call Sediment Removal County Wide		\$400,000
18	D140-01-01-X001 Brays Bayou	Precinct: 1
Z100-00-00-X316 Drainage System Repairs		\$1,049,871
19	G103-09-00-X001 San Jacinto River	Precinct: 3
20	P118-14-00-X001 Halls Bayou	Precinct: 2
21	P118-14-02-X001 Halls Bayou	Precinct: 2
22	P118-20-00-X003 Halls Bayou	Precinct: 2
23	R102-00-00-X005 Jackson Bayou	Precinct: 3
24	R102-10-01-X001 Jackson Bayou	Precinct: 3

Project		Budget
Z100-00-00-X319 On-Call Sediment Removal & Disposal - South		\$550,000
25	A104-13-03-X002 Clear Creek	Precinct: 2
26	B112-02-00-X024 Armand Bayou	Precinct: 2
Z100-00-00-X324 General Drainage System Repairs - North		\$4,885,557
27	J114-00-00-X008 Spring Creek	Precinct: 3
28	N118-00-00-X009 Carpenters Bayou	Precinct: 2
29	O105-00-00-X013 Spring Gully & Goose Creek	Precinct: 2
30	P130-09-00-X009 Greens Bayou	Precinct: 1
31	Q112-00-00-X016 Cedar Bayou	Precinct: 2





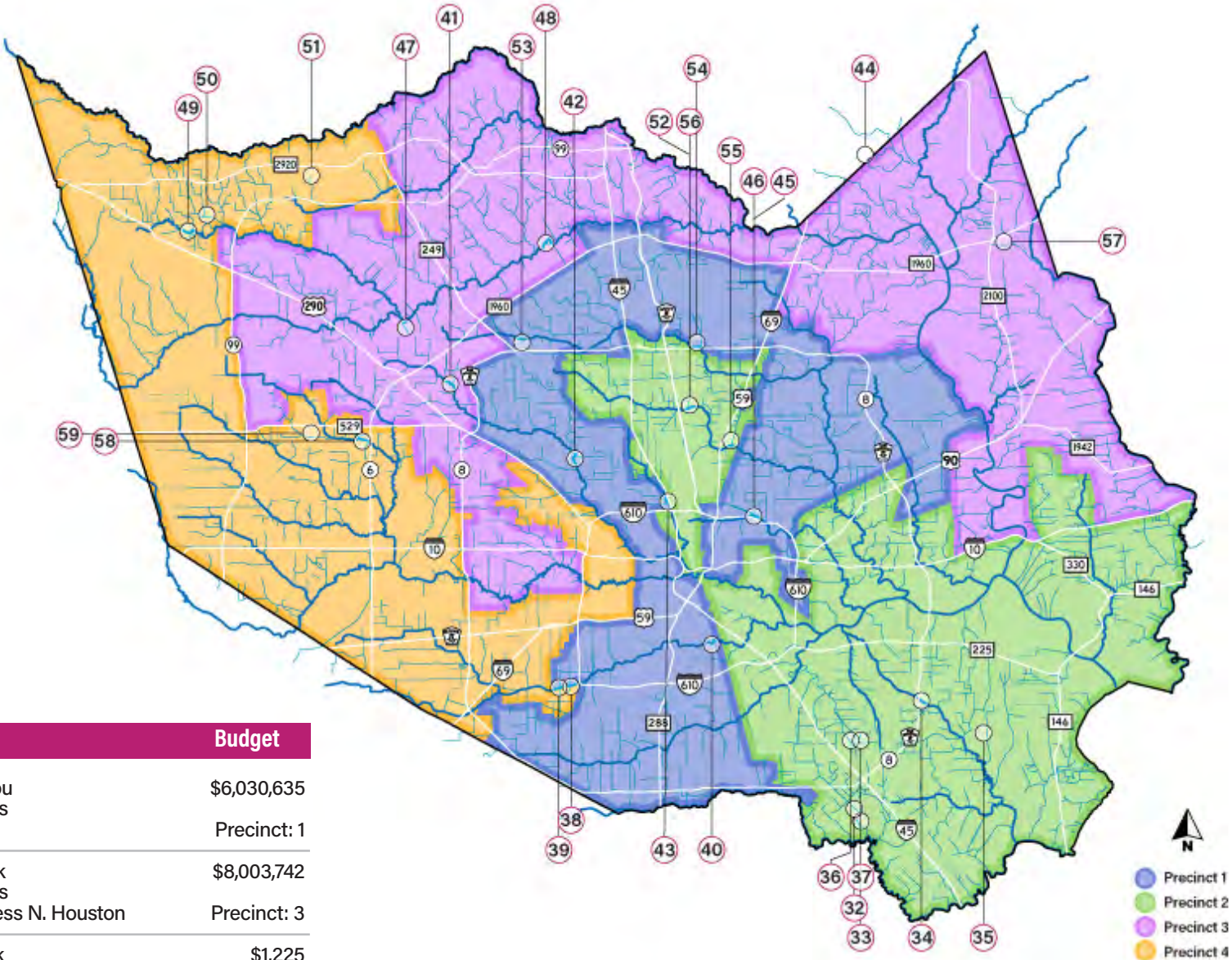
Capital Projects

Total Budget: \$235,649,236

Active Construction Projects - June 2022

Project	Budget
32 A120-00-00-C003 Clear Creek Mud Gully Channel Conveyance Improvements From Basin A520-03-00 to Sagerock Dr.	\$5,755,382 Precinct: 2
33 A520-03-00-E003 Clear Creek Construction of South Belt Stormwater Det. Basin - Phase III West of FM 1950 & Beamer Rd. Intersection	\$16,988,090 Precinct: 2
34 B100-00-00-E002 Armand Bayou Widening & Deepening of Armand Bayou Beltway 8 to Spencer Hwy	\$5,049,826 Precinct: 2
35 B509-03-00-E002 Armand Bayou Excavation of Genoa-Red Bluff Stormwater Detention Basin - Phase I Southeast of Genoa-Red Bluff Rd. & Fairmont Pkwy	\$2,111,794 Precinct: 2
36 C506-01-00-E004 Sims Bayou South Shaver Stormwater Detention Basin West of S. Shaver St. & Galveston Rd. intersection	\$9,732,379 Precinct: 2
37 C506-02-00-E005 Sims Bayou South Shaver Stormwater Detention Basin East of S. Shaver St. & Galveston Rd. intersection	\$4,822,417 Precinct: 2
D100-00-00-B030 Brays Bayou Federal Flood Control Project Multi-Site Project	\$20,965,112
38 D100-00-00-B030 Brays Bayou South Rice Blvd. Bridge	Precinct: 1, 4
39 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	\$49,975,582
40 D100-00-00-B011 Brays Bayou Calhoun Bridge	Precinct: 1
41 E100-00-00-E005 White Oak Bayou Phase 4 Channel Conveyance Improvements E. of IH-45 at Shawnee to S. of Edgebrook	\$21,371,486 Precinct: 1, 3
42 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.	\$13,160,439 Precinct: 1
43 E501-02-00-E001 White Oak Bayou Riggs Stormwater Detention Basin - Design Phase Southwest of Riggs Rd. & IH-45	\$1,479,625 Precinct: 1
44 G503-06-00-E002 San Jacinto River Excavation & Removal Agreement Woodridge Stormwater Detention Basin	\$1,000 Precinct: 3
45 H100-00-00-E005 Hunting Bayou Hunting Bayou Federal Flood Risk Management Project Hunting Bayou from US-59 to Homestead Det. Pond	\$16,338,008 Precinct: 1

Project	Budget
46 H100-00-00-E006 Hunting Bayou Channel Conveyance Improvements UPRR Yard Upstream to Pickfair St.	\$6,030,635 Precinct: 1
47 K163-00-00-E002 Cypress Creek Channel Conveyance Improvements Cypress Creek Confluence to Cypress N. Houston	\$8,003,742 Precinct: 3
48 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
49 L500-01-00-E003 Little Cypress Creek Zube Stormwater Detention Basin & Conveyance Improvements - Phase III	\$10,960,373 Precinct: 4
50 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
51 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
52 P118-21-00-E001 Halls Bayou Open Channel & Concrete Box Improvements Lauder Rd. & JFK Boulevard	\$4,772,320 Precinct: 2
53 P500-02-00-E013 Greens Bayou Cuten Stormwater Detention Basin Improvements North of Beltway 8 and East of SH-249	\$14,213,282 Precinct: 1
54 P500-04-00-E005 Greens Bayou Aldine Westfield Stormwater Detention Basin - Phase I Lauder Road and JFK Boulevard	\$11,420,726 Precinct: 2



Project	Budget
55 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.	\$3,775,321 Precinct: 2
56 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.	\$8,715,472 Precinct: 2
57 Q534-01-00-E001 Cedar Bayou E & R Agreement: Stormwater Detention Basin Intersection of FM 1960 and FM 2100	\$1,000 Precinct: 3
58 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
59 U520-01-00-E002 Addicks Reservoir E&R Agreement: Dinner Creek Stormwater Det. Basin FM-527 and Greenhouse Rd.	\$1,000 Precinct: 4