Harris County Auditor's Office

MEMORANDUM

To: Brandon Dudley, Chief of Staff Precinct 1

From: Mike Post, Harris County Auditor
Glenn Holloway, Chief Assistant County Auditor – Audit Division

CC: Angelica Luna Kaufman, Chief of Staff - County Judge
Mike Lykes, Chief of Staff Precinct 2
Lynn Blue, Director of Administration Precinct 3
Alice Lee, Chief of Staff Precinct 4
Dr. Tina Petersen, Executive Director - Flood Control District
Dr. Milton Rahman, County Engineer
Jesse Dickerman, Interim County Administrator

RE: 2018 Bond Program – Prioritization Framework

Date: June 23, 2025

EXECUTIVE SUMMARY

Per your request, the Harris County Auditor's Office Audit Division performed a fact-finding review focused on gathering information regarding the prioritization framework utilization related to the 2018 Bond Program. The scope of the engagement addressed the following objectives:

1. Determine whether the 2022 Prioritization Framework was utilized for the prioritization of planning, preparing, delivering, and funding of the 2018 Bond Program projects.
2. Identify which framework was used to prioritize completed and active 2018 Bond Program projects that were not prioritized based on the 2022 Prioritization Framework.

The 2018 Bond Program

After Hurricane Harvey devastated Harris County, voters approved a $2.5 billion bond measure to finance flood damage reduction projects. This bond funding was leveraged to participate in partnership programs for additional funding of approximately $2.7 billion. The total estimated value of all projects included in the Bond Program was $5.2 billion.

The 2018 Bond Program identified 181 Bond IDs[1] throughout Harris County.

Harris Thrives Resolution: Basis for the creation of the 2019 Prioritization Framework

On August 27, 2019, Commissioners Court approved the Harris Thrives Resolution. The resolution states that the Harris County Commissioners Court affirms the importance and the intended execution of all projects in the Harris County Flood Control District 2018 Bond Program. The Court directed the Flood Control District to adopt a framework to ensure a process for the equitable expenditure of Bond Program funds. See **Attachment A** for the resolution.

2019 Prioritization Framework: Initiating Bond IDs

As a result of the Harris Thrives resolution directing adoption of a framework, the 2019 Prioritization Framework was developed. See **Attachment B** for the 2019 Prioritization Framework.

This framework established evaluation criteria to determine the initiation schedule of each of the 2018 Bond IDs to which the framework was applied.

The framework was applied to categorize the Bond IDs that had not been initiated[2] at the time of passage of the Harris Thrives resolution. There were 79 of the 181 Bond IDs that were considered as not initiated.

Using the framework, these 79 Bond IDs were prioritized and categorized into tiers (or quartiles) each representing approximately 25% of all projects. Based on that evaluation, the following dates for Bond IDs initiation were established:

Quartile 1: September 2019 – April 2020
Quartile 2: April 2020 – November 2020
Quartile 3: November 2020 – July 2021
Quartile 4: July 2021 – March 2022

Of these 79 Bond IDs:

- 68 Bond IDs were initiated in accordance with the schedule.
- 4 Bond IDs were initiated before 2019 and should not have been included in the list of 79.
- 4 Bond IDs were never formally authorized to “initiate and proceed”; however, they are in progress.
- 2 Bond IDs were initiated ahead of the schedule.
- 1 Bond ID was initiated behind schedule.

[1] Bond IDs serve as unique identifiers used to establish funding levels and a scope of work for one or more projects.

[2] The Bond IDs included in the 2019 framework were those that had not yet been approved by Commissioners Court to “initiate and proceed.”

2022 Prioritization Framework: Flood Resilience Trust Eligibility

The financial framework developed for the 2018 Bond Program relied on approximately $2.7 billion in partnership funding. Although the Harris County Flood Control District's intent was to aggressively pursue partnership dollars in order to implement the 2018 Bond Program as it was originally envisioned, substantial amounts of anticipated partner funding remained unrealized.

On June 29, 2021, the Harris County Commissioners Court established the Flood Resilience Trust (FRT) to act as a backstop for 2018 Bond Program projects with anticipated funding gaps. Commissioners Court directed the Flood Control District to use an updated Prioritization Framework to allocate funds from the FRT.

On April 26, 2022, the Harris County Flood Control District transmitted the "2022 Prioritization Framework for the Allocation of Funds from the Harris County Flood Resilience Trust" to Commissioners Court, in response to this directive. On June 28, 2022, Commissioners Court approved this framework along with a methodology of allocating funds from the FRT.

A total of 76 Bond IDs were identified as having anticipated funding gaps. Each was evaluated and scored to determine eligibility for support from the FRT. Of these, 12 Bond IDs were deemed ineligible due to low scores. See **Attachment C** for the 2022 Prioritization Framework and **Attachment D** for the scoring of projects and respective allocation of the FRT funds.

The 2022 Prioritization Framework was used to determine which Bond IDs were eligible for funding from the FRT; however, once eligibility was established, the distribution of funds was not in order of prioritization scores, but rather based on project need and allocated on an as-needed basis.

Out of $834 million FRT funds originally anticipated, only $165 million materialized. Those funds were allocated to 25 Bond IDs on an as-needed basis. Of those, 24 Bond IDs had been scored as eligible for FRT funds, while one - (Bond ID F-82, Demolition of 1119 Commerce Street and Slope Stabilization Along Buffalo Bayou) - was not eligible based on scoring. Funds were allocated from the FRT to Bond IDs on three occasions: June 28, 2022; October 25, 2022; and January 31, 2023.

On January 31, 2023, the Flood Control District noted the FRT was no longer solvent. The Commissioners Court directed the Flood Control District to develop a path forward to complete the 2018 Bond Program using existing resources utilizing a worst first approach with a focus on equity and serving residents of Harris County. See **Attachment E** for the motion. After this court action, usage of the Flood Resilience Trust was discontinued.

2022 Prioritization Framework: Scoring for Informational Purposes

In April 2022, the Flood Control District applied the 2022 Prioritization Framework to 165 of the 181 Bond IDs in the Bond Program. This scoring was for informational purposes only.

On January 10, 2023, the Commissioners Court passed a motion to assign prioritization scores using the 2022 Prioritization Framework to all new flood risk reduction projects when requesting Commissioners Court approval to initiate the project and to transmit those scores as quartiles to Commissioners Court. (See **Attachment F** for the motion.)

The quartiles for all Bond IDs were provided to the Commissioners Court on January 31, 2023, in Attachment 1 of the 2018 Bond Program Biannual Report. (See **Attachment G**.) The quartiles were also provided to the Commissioners Court on July 15, 2024.

Note that for purposes of the 2022 Prioritization Framework, quartiles were designated in 25% ranges of the maximum framework score of 10 points.

The 2018 Bond Program Status

As of March 2025, out of $2.5 billion bond funds, $864 million was spent, $166 million was encumbered, and $1,470 million was remaining. See **Attachment H** for a complete list of projects with funding and spending details.

ADDITIONAL INFORMATION

THIS SECTION IS BASED ON INFORMATION SUPPLIED BY THE FLOOD CONTROL DISTRICT

Clarification on Framework Usage for Bond ID Prioritization

The Flood Control District clarified that there was no direction or intent to use a single overarching framework to prioritize expenditures for all Bond IDs. Instead, each prioritization framework was developed with a specific and limited purpose:

- **2019 Prioritization Framework** – Designed to prioritize Bond IDs that had not yet been initiated.
- **2022 Prioritization Framework** – Used to identify Bond IDs eligible for funding through the Flood Resilience Trust. Subsequently, used to provide quartile when requesting approval to initiate new flood risk reduction projects.

Intent and Practical Considerations for Advancing Bond Projects

The Flood Control District's overarching goal is to advance all Bond ID projects to the extent practical within the constraints of available funding. Practical considerations include:

- **Phased Implementation**: Certain projects require completion in phases (e.g., Phase 1 must be completed before Phase 2 can begin).
- **Partner Coordination**: Some projects necessitate collaboration with external partners, which may influence scheduling.

RESULTS

OBJECTIVE 1: Determine whether the 2022 Prioritization Framework was utilized for the prioritization of planning, preparing, delivering, and funding of the 2018 Bond Program projects.

OBSERVATION 1: The 2022 Prioritization Framework was created to allocate funds from the Flood Resilience Trust to 2018 Bond Program projects with identified funding gaps. As a result, 76 Bond IDs were scored based on the 2022 Prioritization Framework including 12 Bond IDs that were not eligible for the Flood Resilience Trust funds based on their respective low scoring.

In April 2022, for informational purposes, 165 projects of the 181 Bond IDs were scored based on the 2022 Priority Framework. See **Attachment G**.

Beginning in January 2023, the quartile based on the 2022 Prioritization Framework was provided to Commissioners Court when requesting initiation of new flood risk reduction projects.

See **Attachment I** for Bond IDs showing the amount spent on each Bond ID in scored order as of March 2025 using this informational scoring. Also, see **Attachments J and J.1** for summarized totals spent by quartile as of March 2025 using this informational scoring.

RECOMMENDATION 1: No action required.

OBJECTIVE 2: Identify which framework was used to prioritize completed and active 2018 Bond Program projects that were not prioritized based on the 2022 Prioritization Framework.

OBSERVATION 2: The 2019 Prioritization Framework was applied to the Bond IDs that had not been initiated at the time of passage of the Harris Thrives resolution. There were 79 of the 181 Bond IDs that were considered as not initiated. Using the framework, these 79 Bond IDs were categorized into tiers (or quartiles), to help determine the order in which these Bond IDs would be initiated.

RECOMMENDATION 2: No action required.

INDEX OF THE ATTACHMENTS

Attachment A

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Attachment A
Harris Thrives Resolution

LINA HIDALGO

August 21, 2019

AGENDA ITEM

Commissioners Court
1001 Preston, 9th Floor
Houston, Texas 77002

Vote of the Court:

	Yes	No	Abstain
Judge Hidalgo	☑	☐	☐
Comm. Ellis	☑	☐	☐
Comm. A. Garcia	☑	☐	☐
Comm. Radack	☐	☑	☐
Comm. Cagle	☐	☑	☐

Dear Commissioners:

Please consider the following item for the August 27, 2019, Commissioners Court agenda:

The County Judge requests approval of a "Harris Thrives" resolution regarding flood control policy on the occasion of the two-year anniversary of Hurricane Harvey's impact on Harris County.

Sincerely,

Lina Hidalgo
County Judge

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HARRIS COUNTY BUDGET MANAGEMENT DEPARTMENT

Presented to Commissioners Court

AUG 27 2019

APPROVE GE

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HARRIS COUNTY JUDGE
1001 Preston, Suite 911
Houston, Texas 77002
Phone: (713) 274-7000
Fax: (713) 755-8379
CountyJudgeHidalgo.com
judge.hidalgo@cjo.hctx.net

Resolution

WHEREAS, Hurricane Harvey made landfall two years ago on August 25, 2017, resulting in record rainfall in Harris County; and

WHEREAS, all 4.7 million people in Harris County were impacted by Hurricane Harvey, including over 60,000 residents rescued and over 150,000 homes flooded; and

WHEREAS, the people of Harris County showed incredible strength, resilience, and unity in response to Hurricane Harvey; and

WHEREAS, recovery efforts are ongoing, and many people are still feeling the impacts of Harvey and other floods; now, therefore

BE IT RESOLVED that Harris County Commissioners Court affirms the importance and the intended execution of all projects in the Harris County Flood Control District 2018 Bond Program ("Bond Program"); and

BE IT FURTHER RESOLVED that Harris County Commissioners Court directs the Harris County Flood Control District to identify the increased resources and budget it will need to operate and maintain flooding infrastructure built in the Bond Program; and

BE IT FURTHER RESOLVED that Harris County Commissioners Court instructs the Harris County Flood Control District to adopt a framework that ensures a process for the equitable expenditure of Bond Program funds ("Equitable Prioritization Framework"); and

BE IT FURTHER RESOLVED that Harris County Commissioners Court calls on the Harris County Flood Control District to bolster community engagement related to flood control by revamping the roles and responsibilities of the Harris County Flood Control District Task Force and ensuring that a geographically diverse range of community members is represented; and

BE IT FURTHER RESOLVED that Harris County Commissioners Court instructs the Harris County Flood Control District to emphasize an approach that respects, reclaims, and restores floodplains; preserves undeveloped prairies and forests that detain stormwater; and encourages the use of nature-based solutions, natural infrastructure, and cutting-edge technological methods where possible in public and private projects; and

BE IT FURTHER RESOLVED that Harris County Commissioners Court encourages the Harris County Flood Control District to coordinate with other county departments and government entities to take a holistic approach that aims to improve the quality of life more broadly—including but not limited to transportation, safety, health, housing, and economic opportunity—by achieving multiple benefits and solving multiple problems where possible; and

FINALLY, Harris County Commissioners Court directs the Harris County Flood Control District to add flood control projects to the list of Bond Program projects as the opportunity arises from available funds, providing that all current projects on the 2018 Bond Program project list are carried out, while ensuring that any projects added reflect the methodology of the Equitable Prioritization Framework; now, therefore

It is hereby **ORDERED** that this Resolution be spread upon the minutes of Commissioners Court this 27th day of August, 2019.

LINA HIDALGO, County Judge

RODNEY ELLIS, Commissioner
Precinct One

ADRIAN GARCIA, Commissioner
Precinct Two

STEVE RADACK, Commissioner
Precinct Three

R. JACK CAGLE, Commissioner
Precinct Four

ATTEST:

Diane Trautman, County Clerk
Harris County, TEXAS

Attachment B

Attachment B

2019 Prioritization Framework

FINAL

Prioritization Framework for the Implementation of the Harris County Flood Control District 2018 Bond Projects

August 27, 2019

HARRIS COUNTY FLOOD CONTROL DISTRICT

Purpose

This document outlines the prioritization framework for the Harris County Flood Control District's (District) approach to the District's 2018 Bond Program projects. The District strives to complete projects that prevent the worst impacts on people first ("worst first" approach). This document evaluates a combination of several factors to develop a prioritization framework.

The 2018 Bond Program identified over 200 projects throughout Harris County. The prioritization framework summarized in this document includes evaluation criteria and a weighting process that will provide input to the master schedule of the 2018 Bond Projects throughout the remaining lifetime of the Bond.

Types of Bond Projects

The following are the major types of projects within the 2018 Bond election.

- Right-of-Way, Planning, Design and/or Construction Projects – Traditional infrastructure projects to reduce flooding potential.
- Floodplain Preservation and Right-of-Way Acquisition – Acquisition of property deep in the floodplain for preservation as well as acquisition of property for future projects.
- Subdivision Drainage Improvements – Projects typically in partnership with another agency that has primary jurisdiction to improve the internal subdivision drainage in conjunction with District channels.
- Storm Repairs and Restore Channel Capacity - Projects that include fixing side slope failures and desilting channels to restore the channel capacity to the original design.
- Flood Warning System – Improvements and advancements to the existing District's Flood Warning System
- Floodplain Mapping Updates – Updates to the Federal Emergency Management Agency (FEMA) 1% floodplain maps and other mapping products.

Projects Outside the Prioritization Framework

The District was executing a phased Capital Improvement Program before the 2018 Bond election. Several projects that are in final design or that have bid-ready construction plans can quickly be executed by Bond funding. The District has used Bond funding to pay for these construction-ready projects to deliver the projects quickly so that the flood risk reduction benefits can be realized by the community. Since these projects are already underway, our plan will be to re-engage the community to inform them of progress and timelines but to continue these projects as designed. Local entities have also expressed interest in co-funding several projects. Some of these projects were initiated once partnership funding became available.

Three additional types of projects that were not evaluated are buyout projects, subdivision drainage improvement projects, and countywide projects such as the flood warning system:

- Buyout projects are necessarily long-term projects that require close collaboration with local communities;
- All subdivision drainage improvement projects have been initiated due to the lower capital costs of these projects and the need for these projects to be in place to realize benefits from flood control infrastructure;
- Countywide projects do not fit easily within the framework developed here due to the challenges in estimating the flood risk reduction benefits from these projects.

Project Prioritization

Evaluation criteria were developed to determine the initiation schedule of each of the remaining 2018 Bond projects. The criteria allow for an opportunity to create objectivity in the prioritization process. The Weighted Factors Analysis used to evaluate the remaining projects is described below in detail with the following criteria:

- Flood Risk Reduction
- Existing Conditions Drainage Level of Service
- Social Vulnerability Index
- Project Efficiency
- Partnership Funding
- Long Term Maintenance Costs
- Minimize Environmental Impacts
- Potential for Multiple Benefits

Each project is assigned a score for each criterion below ranging from 0 to 10. A score of "10" represents that a project for which the criterion was fully met and a score of "0" indicates that the project met did not meet the criterion.

There may be cases were, for example, certain projects must start and finish prior to other projects because those projects are dependent upon each other. In these cases the prioritization of these projects will be modified in order to accommodate for those schedule dependencies.

Flood Risk Reduction

Flood risk reduction benefits can be calculated in terms of water surface elevation reductions, reductions in limits of the 1% floodplain (100-year floodplain), or the number of structures where flooding risks have been reduced. The preliminary engineering report phase for each Bond project will quantify these benefits. If a preliminary engineering report is not prepared at the time of estimation, the District will estimate the benefits in terms of structures where flooding risks could be reduced.

Flood risk reduction benefits are calculated in terms of the number of structures, as opposed to the value of structures, where flooding risks have been reduced. The District used the internal structural inventory database to determine the number of structures benefitting from the proposed

projects. The structural inventory database will ultimately take into account if multi-family structures, such as apartments, benefit from the proposed project. Providing flood risk reduction for multi-family structures can benefit more people. The District will incorporate this information into the framework once it is available from the structural inventory database.

Flood risk reduction is scored by how much of the floodplain is reduced by each project then estimating the number of structures benefited by this reduction. Based on the Harris County Appraisal District's building footprint database, there are 183,833 structures that intersect with the limits of the Federal Emergency Management Agency (FEMA) mapped 1% AEP (100-year) effective floodplain. Table 1 defines the scoring associated with the 1% flood risk reduction of each Bond project.

Table 1: Flood Risk (1% AEP) Reduction Scoring Criteria*

Criteria	Score
Floodplain removed from 0 structures	0
Floodplain removed from < 10% of structures (~100 structures)	3
Floodplain removed from < 50% of structures (~200 structures)	6
Floodplain removed from < 75% of structures (~400 structures)	8
Floodplain removed from 100% of structures (~500 structures)	10

* The District is looking to determine the number of housing units and using that as a metric as opposed to structures. For example, an apartment building is one structure, but will contain multiple housing units. A flood damage reduction project could benefit multiple families and this benefit wouldn't be captured by only considering structures. The District will continue to work on this effort as we refine the methodology.

Existing Conditions Drainage Level of Service

The drainage level of service metric is a data set that was developed to determine the capacity of District channels. The capacity ranges from 1% Annual Exceedance Probability (AEP), or 100-year storm, to the 50% AEP storm, or 2-year storm. A channel with level of service greater than the 1% AEP is expected have less than 1% probability of flooding in a given year, while a channel with level of service less than 50% AEP is expected to have greater than 50% probability of flooding in a given year. Table 2 defines the scoring associated with the level of service for the District channel in question.

Table 2: Existing Conditions Drainage Level of Service Scoring Criteria

Criteria	Score
Level of service is > 1% AEP storm (100-year storm)	0
Level of service is < 1% AEP storm (100-year storm)	1
Level of service is < 2% AEP storm (50-year storm)	2
Level of service is < 4% AEP storm (25-year storm)	4
Level of service is < 10% AEP storm (10-year storm)	6
Level of service is < 20% AEP storm (5-year storm)	8
Level of service is < 50% AEP storm (2-year storm)	10

Social Vulnerability Index

Social vulnerability refers to the resilience of communities when confronted with disasters such as flooding. Communities that are more socially vulnerable are at greater risk for loss of life during a disaster and are slower to recover after a disaster. The Centers for Disease Control has created its Social Vulnerability Index (SVI) using 15 U.S. Census variables that influence a community's ability to prepare for, respond to, and recover from a disaster. These factors include the percentage of elderly residents, limited English proficiency, households without a vehicle, and other factors. The SVI score of the community served by a given bond project determines the scoring of this criterion. Table 3 provides the scoring ranges to account for social vulnerability.

Table 3: Social Vulnerability Scoring Criteria

Criteria	Score
SVI indicates low level of vulnerability	1
SVI indicates low to moderate level of vulnerability	4
SVI indicates moderate to high level of vulnerability	7
SVI indicates high level of vulnerability	10

Project Efficiency

Table 4 provides scoring for ranges of project efficiency. Project efficiency is defined as the total cost of the project divided by the number of structures within the mapped 1% AEP (100-year) effective floodplain that receive a flood damage reduction benefit.

$$Project\ Efficiency = \frac{Total\ Cost\ of\ Project\ (\$)}{\#\ of\ Structures\ Benefitted}$$

Table 4: Project Efficiency Scoring

Criteria	Score
Greater than 200,000	2
200,000 to 100,000	4
100,000 to 50,000	6
Less than 50,000	10

Partnership Funding

Table 5 provides scoring for projects based on the level of partnership funding. Partnership projects involve partial funding from another agency such as FEMA or a municipality. Partnership projects are given a score based on the amount of leverage they provide to District 2018 Bond funds.

Table 5: Partnership Funding Scoring

Criteria	Score
No funding partner	0
Partnership funds cover less than 40% of project cost	4
Partnership funds cover 40-60% of project cost	8
Partnership funds cover greater than 60% of project cost	10

Long Term Maintenance Costs

Maintenance costs can be affected by the ability to access the channel, channel geometry and material, and maintenance berm width. Concrete-lined channels have different maintenance costs than grass-lined channels. Additionally, the size of the channel and/or stormwater detention basin will affect the maintenance costs. Table 6 defines the scoring associated with long term maintenance costs.

Table 6: Long Term Maintenance Costs Scoring Criteria

Criteria	Score
Project will require extensive or specialized maintenance	2
Project will require maintenance outside of District's regular maintenance practices	6
Project only requires regular, on-going maintenance	10

Minimize Environmental Impacts

Table 7 defines the scoring associated with project specific environmental mitigation. Environmental mitigation could include purchasing credits at a wetlands or streambank mitigation bank, completing environmental permits, and creating self-mitigating projects. Each of these items has an impact on project cost and schedule.

Table 7: Minimize Environmental Impacts Scoring Criteria

Criteria	Score
Project will have significant environmental impacts requiring a Corps of Engineers Individual Permit and mitigation bank credits	0
Project will have significant environmental impacts requiring mitigation bank credits	2
Project are able to significantly avoid environmental impacts	6
Project has minimal or no environmental impacts	10

Potential for Multiple Benefits

Table 8 defines the scoring associated with the project's potential for multiple benefits including recreational and environmental enhancements.

Table 8: Potential for Multiple Benefits Scoring Criteria

Criteria	Score
Project does not have multiple benefits	0
Project has recreational benefits	4
Project has environmental enhancement benefits	6
Project has recreational and environmental enhancement benefits	10

Weighted Factors Analysis

The Weighted Factors analysis allows criteria to be weighted based on percentages that sum to 100 percent. Each of the criteria was given a percentage weighting based on a holistic view of the District's priorities. The District's mission is to provide flood damage reduction projects that work, with appropriate regard for community and nature-driven values; therefore, flood risk reduction is the most heavily weighted factor, with the remaining factors weighted in decreasing order of priority: infrastructure and community equity, cost effectiveness, and other factors that influence the long-term value of the project.

- Flood Risk Reduction Weighting Factor 25%
- Existing Conditions Drainage Level of Service Weighting Factor 20%
- Social Vulnerability Index Weighting Factor 20%
- Project Efficiency Weighting Factor 10%
- Partnership Funding Weighting Factor 10%
- Long Term Maintenance Costs Weighting Factor 5%
- Minimizes Environmental Impacts Weighting Factor 5%
- Potential for Multiple Benefits Weighting Factor 5%

100%

Using the criteria, scoring, and weights, Table 9 presents a ranking of the remaining Bond projects that have not started as of the date of this report. Each criterion score is multiplied by the criteria weight and added together for a total sum. The sum is the project rank. The projects were broken into four different groups. Each of these groups of projects (Quartiles) will be started by the District within a specific date range as shown on the master schedule. The first group of projects will start first, and then start the second group of projects and so on.

Table 9 - Summary of Bond Project Scores - 8/27/19

MAP ID	Watershed	Title	August 27, 2019 - Score	August 27, 2019 - Rank	August 27, 2019 - Quartile Rank
C-23	Greens Bayou	Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-08-00	8.35	1	1
C-24	Greens Bayou	Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-09-00	8.25	2	1
C-43	Greens Bayou	Potential CDBG-DR (2017) - Planning, Right-of-Way Acquisition, Design and Construction of Channel Conveyance Improvements along P138-01-01	8.1	3	1
C-30	Greens Bayou	Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-27-00	8.05	4	1
C-15	White Oak Bayou	Design and Construction of Arbor Oaks Stormwater Detention Basin	8	5	1
C-08	Sims Bayou	Right-Of-Way Acquisition, Design, and Construction of Stormwater Detention Basin and Channel Conveyance Improvements along Salt Water Ditch	7.85	6	1
F-95	Sims Bayou	Planning, Right-Of-Way Acquisition, Design and Construction Along C144-00-00	7.3	7	1
C-10	Sims Bayou	Design and Construction of C506-01-00-E003	7.2	8	1
F-41	Cedar Bayou	Right-of-Way Acquisition, Design and Construction of Channel Conveyance Improvements along Clawson Ditch and Q124-00-00	7.2	8	1
C-47	Addicks Reservoir	Design and Construction of a Bridge Replacement for Greenhouse Road at South Mayde Creek	6.9	10	1
CI-006	Greens Bayou	Design and Construction of a Stormwater Detention Basin in Brock Park	6.9	10	1
F-47	Cedar Bayou	Right-Of-Way Acquisition, Design and Construction of Stormwater Detention Basins near Coastal Water Authority canals and IH 10	6.9	10	1
F-92	Sims Bayou	Planning, Right-Of-Way Acquisition, Design and Construction Along C116-00-00	6.7	13	1
C-13	Brays Bayou	Right-Of-Way, Design and Construction of Conveyance Improvements along Bintliff Ditch	6.6	14	1
F-07	Brays Bayou	Planning, Right-Of-Way Acquisition, Design, and Construction of Channel Conveyance Improvements on Keegans Bayou	6.5	15	1
F-46	Cedar Bayou	Design and Construction of the Q500-01 Stormwater Detention Basin	6.5	15	1
C-48	Addicks Reservoir	Right-Of-Way Acquisition, Design and Construction of a Stormwater Detention Basin on South Mayde Creek near the Grand Parkway	6.35	17	1
F-88	Cypress Creek	Design and Construction of Stormwater Detention Basins in Large Buyout Areas	6.3	18	1
F-89	Little Cypress Creek	Design and Construction of Additional Volume in Little Cypress Creek Stormwater Detention Basins	6.3	18	1
C-39	White Oak Bayou	Right-of-Way Acquisition, Design and Construction of the North Canal	6.2	20	2
F-19	Spring Creek	Spring Creek Right-of-Way Acquisition and Floodplain Preservation	6.2	20	2
F-36	Willow Creek	Willow Creek Right-of-Way Acquisition and Floodplain Preservation	6.2	20	2
C-57	Galveston Bay	Right-of-Way Acquisition, Design and Construction of General Drainage Improvements Along F216-00-00	6.05	23	2
C-07	Armand Bayou	Design and Construction of the B509-04-00 Stormwater Detention Basin	6	24	2
F-43	Cedar Bayou	Right-of-Way Acquisition, Design and Construction of Channel Conveyance Improvements along Adlong Ditch	6	24	2
CI-60	San Jacinto River	Planning, Right-Of-Way, Design and Construction of Conveyance Improvements along Panther Creek	5.9	26	2
F-08	Brays Bayou	Right-Of-Way Acquisition, Design, and Construction of Channel Conveyance Improvements on Fondren Diversion Channel	5.9	26	2
F-125	Carpenters Bayou	Right-of-Way Acquisition, Design and Construction of General Drainage Improvements in Carpenters Bayou watershed	5.9	26	2
F-17	Hunting Bayou	Right-Of-Way Acquisition, Design and Construction of Wallisville Outfall	5.85	29	2
C-44	Armand Bayou	Armand Bayou Right-of-Way Acquisition and Floodplain Preservation	5.8	30	2
F-20	Cypress Creek	Cypress Creek Right-of-Way Acquisition and Floodplain Preservation	5.8	30	2
CI-022	Greens Bayou	ROW, Design, and Construction of Stormwater Detention Basin Near P130-05	5.65	32	2
F-104	Vince Bayou	Right-of-Way Acquisition, Design and Construction of General Drainage Improvements in Vince Bayou Watershed	5.65	32	2
F-94	Sims Bayou	Planning, Right-Of-Way Acquisition, Design and Construction Along C143-00-00	5.65	32	2
CI-031	Hunting Bayou	HCFCD Cost Share of Study with the City of Houston on Wallisville Outfall	5.55	35	2
C-06	Armand Bayou	Right-Of-Way Acquisition, Design and Construction of B112-00-00 and Tributaries Conveyance Improvements	5.4	36	2
F-106	Willow Creek	Right-of-Way Acquisition, Design and Construction of General Drainage Improvements in Willow Creek Watershed	5.3	37	2
F-120	Goose Creek	Right-Of-Way Acquisition, Design, and Construction of General Drainage Improvements in Goose Creek watershed	5.3	37	2
F-51	Luce Bayou	Luce Bayou Right-of-Way Acquisition and Floodplain Preservation	5.3	37	2
F-01	Clear Creek	Right-Of-Way Acquisition, Design, and Construction of Channel Conveyance Improvements on A135-00-00	5.1	40	3
F-109	Goose Creek	Right-Of-Way Acquisition, Design, and Construction of General Drainage Improvements on Spring Gully	5.1	40	3
F-93	Sims Bayou	Planning, Right-Of-Way Acquisition, Design and Construction Along C124-00-00	5.1	40	3
CI-010	White Oak Bayou	Partnership Project with Jersey Village on Right-of-Way Acquisition, Design, and Construction of General Drainage Improvements along E127-00-00	5	43	3
C-118	Spring Creek	Planning, Right-of-Way Acquisition, Design and Construction of a Reservoir along Spring Creek	4.95	44	3
CI-032	White Oak Bayou	Investigation of Additional Stormwater Detention Basins in the White Oak Bayou Watershed	4.95	44	3
C-52	Addicks Reservoir	Rehabilitation of Channels Inside of Addicks Reservoir to Restore Channel Conveyance Capacity	4.9	46	3
CI-030	White Oak Bayou	Right-of-Way Acquisition, Design and Construction of General Drainage Improvements along Turkey Gully	4.9	46	3
F-69	Cedar Bayou	Right-Of-Way Acquisition, Design and Construction of channel conveyance improvements on Q136-00-00 - Part of the Upstream Cedar Bayou Project	4.9	46	3
C-50	San Jacinto River	Funding for Future Partnership Projects Based on Results of Study - for Right-of-Way Acquisition, Design, and Construction of General Drainage Improvements in San Jacinto River Watershed Study	4.8	49	3
CI-019	San Jacinto River	Investigations of Potential Detention Sites Around Glendale Dredge Site in Partnership with the City of Houston	4.75	50	3
CI-028	San Jacinto River	Design and Construction of Additional Gates on Lake Houston in Partnership with the City of Houston	4.75	50	3
F-119	Spring Creek	Right-of-Way Acquisition, Design and Construction of General Drainage Improvements along Spring Creek	4.75	50	3
F-70	Cedar Bayou	Upstream Cedar Bayou Project - Right-Of-Way Acquisition, Design and Construction of Channel Conveyance Improvements and Stormwater Detention Basin Upstream of FM 1960	4.7	53	3
CI-034	Brays Bayou	Investigation of Channel Improvements Upstream of Fondren Road on Brays Bayou	4.6	54	3
F-111	San Jacinto River	Planning , Right-Of-Way Acquisition, design and Construction of General Drainage Improvements East of Lake Houston	4.6	54	3
CI-029	Sims Bayou	Restore Channel Conveyance Capacity Along C102-00-00	4.5	56	3
F-108	Luce Bayou	Right-of-Way Acquisition, Design and Construction of General Drainage Improvements in Luce Bayou Watershed	4.5	56	3
CI-009	Buffalo Bayou	Partnership Project with Fort Bend County on Right-of-Way Acquisition, Design, and Construction of General Drainage Improvements along Clodine Ditch	4.45	58	3
F-98	Galveston Bay	Right-of-Way Acquisition, Design and Construction of General Drainage Improvements in Galveston Bay Watershed	4.45	58	3
F-99	Armand Bayou	Right-Of-Way, Design and Construction of Conveyance Improvements along Armand Bayou	4.4	60	4
CI-59	Hunting Bayou	Planning, Right-Of-Way, Design and Construction of a Diversion Channel from H102-00-00 to H100-00-00 through Galena Park	4.2	61	4
CI-025	Brays Bayou	Investigation of Additional Stormwater Detention Basins in the Brays Bayou Watershed	4.15	62	4
F-84	Addicks Reservoir	Design and Construction of Secondary Outfall for John Pauls Landing for the Upper Langham Creek Program	4.15	62	4
F-42	Cedar Bayou	Right-of-Way Acquisition, Design and Construction of Channel Conveyance Improvements along Magee Gully	4	64	4
CI-003	Clear Creek	Rehabilitation of the A214-00-00 channel to Restore Channel Conveyance Capacity	3.9	65	4
CI-037	Sims Bayou	Restore Channel Conveyance Capacity Along C146-00-00	3.9	65	4
CI-038	Brays Bayou	Restore Channel Conveyance Capacity Along D115-00-00	3.9	65	4
CI-61	San Jacinto River	East Fork, West Fork and Lake Houston Dredging	3.8	68	4
F-107	Jackson Bayou	Right-of-Way Acquisition, Design and Construction of General Drainage Improvements in Jackson Bayou Watershed	3.8	68	4
C-53	Barker Reservoir	Rehabilitation of Channels Inside of Barker Reservoir to Restore Channel Conveyance Capacity	3.7	70	4
C-12	Brays Bayou	Right-Of-Way, Design and Construction of Conveyance Improvements along Poor Farm Ditch	3.55	71	4
CI-024	Buffalo Bayou	Investigation of Effectiveness of Micro-Detention in the Buffalo Bayou Watershed	3.35	72	4
F-55	Addicks Reservoir	Planning, Right-Of-Way Acquisition, Design, and Construction for Ultimate Conveyance on Bear Creek	3.3	73	4
F-80	Buffalo Bayou	Planning, Right-Of-Way Acquisition, Design and Construction Along Soldiers Creek	3	74	4
F-79	Buffalo Bayou	Planning, Right-Of-Way Acquisition, Design and Construction Along W157-00-00	2.95	75	4
F-15	San Jacinto River	Planning , Right-Of-Way Acquisition, design and Construction of General Drainage Improvements Near Atascocita	2.85	76	4
CI-001	Clear Creek	Rehabilitation of the Clear Creek channel to Restore Channel Conveyance Capacity	2.8	77	4
CI-017	Buffalo Bayou	Design & Construction of Replacement Bridges Along Buffalo Bayou	2.35	78	4
CI-018	Buffalo Bayou	Rehabilitation of W140-00-00 to Restore Channel Conveyance Capacity	1.7	79	4

Attachment C

Attachment C
2022 Prioritization Framework

1001 Preston St., Suite 934
Houston, Texas 77002

Harris County, Texas

Commissioners Court

Request for Court Action

File #: 22-2522 **Agenda Date:** 4/26/2022 **Agenda #:** 229.

Department: Flood Control District
Department Head/Elected Official: Tina Petersen, Ph.D., P.E., Executive Director

Regular or Supplemental RCA: Regular RCA
Type of Request: Transmittal

Presented to Commissioners Court

April 26, 2022

ACCEPTED

Project ID (if applicable)**:** N/A
Vendor/Entity Legal Name (if applicable)**: N/A**

MWDBE Contracted Goal (if applicable)**: N/A**
MWDBE Current Achievement (if applicable): N/A
Justification for 0% MWDBE Participation Goal: N/A - Goal not applicable to request

Request Summary (Agenda Caption):
Transmittal by the Flood Control District of the 2022 Prioritization Framework for the Allocation of Funds from the Flood Resilience Trust.

Background and Discussion:
The Prioritization Framework, adopted in 2019, was originally used to help determine the order in which 2018 Bond Projects were initiated. We are transmitting a 2022 Prioritization Framework, which improves upon the previous framework, to effectively and equitably allocate money from the Flood Resilience Trust to 2018 Flood Bond projects with a partnership gap or in need of continency funds, as well as to help prioritize new projects not included in the 2018 Flood Bond Program. The proposed modifications incorporate the Community Flood Resilience Task Force (CFRTF)'s input.

Expected Impact:
The recommended 2022 Prioritization Framework should help Harris County to better allocate funding from the Flood Resilience Trust to the 2018 Flood Bond Projects, as well as help prioritize new projects not included in the 2018 Bond Program. The 2022 Prioritization Framework would place greater emphasis on the number of people a project benefits, remove potential and committed partnership funding as a factor in the framework and recognize benefits from reducing flooding both inside and outside of the 100-year mapped floodplain. The 2022 Prioritization Framework does not affect the start date for 2018 Flood Bond Program projects, all of which have already been started. If Commissioners Court approves this item, the 2022 Prioritization Framework should determine how funds in the Flood Resilience Trust are applied, beginning immediately after adoption.

Alternative Options:
Use the 2019 Prioritization Framework to allocate Flood Resilience Trust funding.

Alignment with Goal(s):

_ Justice and Safety
_ Economic Opportunity
_ Housing
_ Public Health
_ Transportation
X Flooding
_ Environment
_ Governance and Customer Service

Prior Court Action (if any)**:**

Date	Agenda Item #	Action Taken
08/27/2019	2.g.	Approval of Bond Prioritization Framework
06/29/2021	191.	Approval of Flood Resilience Trust
10/26/2021	136.	Motion to address flooded structures outside the floodplain
12/14/2021	17.	Motion to present proposed changes to the Prioritization Framework to the CFRTF for review and input

Location: N/A
Address (if applicable):
Precinct(s): Countywide

Fiscal and Personnel Summary			
Service Name	N/A		
	SFY 22	**FY 23**	**Next 3 FYs**
Incremental Expenditures (do NOT write values in thousands or millions)			
Labor Expenditures	$	$	$
Non-Labor Expenditures	$	$	$
Total Incremental Expenditures	**$**	**$**	**$**
Funding Sources (do NOT write values in thousands or millions)			
Existing Budget			
Choose an item.	$	$	$
Choose an item.	$	$	$
Choose an item.	$	$	$
Total Current Budget	$	$	$
Additional Budget Requested			
Choose an item.	$	$	$
Choose an item.	$	$	$
Choose an item.	$	$	$

Total Additional Budget Requested	$	$	$
Total Funding Sources	**$**	**$**	**$**
Personnel (Fill out section only if requesting new PCNs)			
Current Position Count for Service	-	-	-
Additional Positions Requested	-	-	-
Total Personnel	**-**	**-**	**-**

Anticipated Implementation Date: April 26, 2022

Emergency/Disaster Recovery Note: Not an emergency, disaster, or COVID-19 related item

Contact(s) name, title, department: Tina Petersen, Ph.D., P.E., Executive Director

Attachments (if applicable)**:**

Recommended Modifications to the Prioritization Framework

CFRTF's Recommendations regarding the proposed revisions to the Prioritization Framework

2022 Prioritization Framework for the Allocation of Funds from the Harris County Flood Resilience Trust

April 26, 2022

Purpose

This document outlines the 2022 Prioritization Framework for the Harris County Flood Control District's (District) approach to allocating funds from the Flood Resilience Trust. The District strives to complete projects that prevent the worst impacts on people first ("worst first" approach). This document evaluates a combination of several factors to develop a prioritization framework.

The 2018 Bond Program identified over 200 flood mitigation projects throughout Harris County. All projects have been initiated and are at various stages of the project lifecycle, but some projects may have a gap in funding due to a lack of anticipated partnership funding such as Federal or State grants or may need contingency funding. The 2022 Prioritization Framework summarized in this document includes evaluation criteria and a weighting process that will provide input to the allocation of funds from the Harris County Flood Resilience Trust towards 2018 Bond Projects with funding gaps or contingency funding needs throughout the remaining lifetime of the Bond, as well as input to the allocation of any surplus or unused Flood Resilience Trust funds towards additional projects not currently included in the 2018 Bond Project list.

Types of Projects

The following are the major types of projects that may be scored with the Prioritization Framework to determine prioritization for funding:

- Right-of-Way, Planning, Design and/or Construction Projects – Traditional infrastructure projects to reduce flooding potential.
- Floodplain Preservation and Right-of-Way Acquisition – Acquisition of property deep in the floodplain for preservation as well as acquisition of property for future projects.
- Wetland Mitigation Banks – Creation of wetlands for permanent protection and wetland mitigation credits to offset the loss of wetlands due to development.
- Storm Repairs and Restore Channel Capacity - Projects that include fixing side slope failures and desilting channels to restore the channel capacity to the original design.
- Subdivision Drainage Improvements – Projects typically in partnership with another agency that has primary jurisdiction to improve the internal subdivision drainage in conjunction with District channels.

The 2022 Prioritization Framework presented here is intended for use in evaluating both projects that are ongoing and newly identified projects that may be funded using any remaining Flood Resilience Trust funding once all existing 2018 Flood Bond projects are fully funded.

However, this framework is not suited for evaluation of buyout projects or countywide projects:

- Buyout projects are necessarily long-term projects that require close collaboration with local communities.
- Countywide projects do not fit easily within the framework developed here due to the challenges in estimating the flood risk reduction benefits from these projects. These projects in the 2018 Flood Bond include the following:

- Flood Warning System – Improvements and advancements to the existing District's Flood Warning System and
- Floodplain Mapping Updates – Updates to the Federal Emergency Management Agency (FEMA) 1% floodplain maps and other mapping products.

As such, these projects are separately funded and are not anticipated to draw from the Flood Resilience Trust.

Project Prioritization

Evaluation criteria were developed to determine the prioritization score for flood mitigation projects. These criteria allow for an opportunity to create objectivity in the prioritization process. The Weighted Factors Analysis used to evaluate the remaining projects is described below in detail with the following criteria:

- Project Efficiency
  - Project Efficiency using People Benefitted
  - Project Efficiency using Structures Benefitted
- Existing Conditions
- Social Vulnerability Index
- Long Term Maintenance Costs
- Environmental Impacts
- Potential for Multiple Benefits

Each project is assigned a score for each criterion below ranging from 0 to 10. A score of "10" represents that a project for which the criterion was fully met and a score of "0" indicates that the project met did not meet the criterion.

2022 Prioritization Framework Criteria

Metric	Description	Weight
Project Efficiency	*People Benefitted* Total Cost of Project/Number of people benefitted by the project (Table 1).	15%
	Structures Benefitted Total Cost of Project/Structural benefits in 100-year rainfall (Table 2).	30%
Existing Conditions	*For channel and detention projects:* Capacity of the existing Flood Control District channel to manage a flooding event. Lower system capacity means a higher score (Table 3). *For subdivision drainage projects:* Estimated existing drainage conditions, using a combination of the maximum excess rainfall in a 100-yr event and the existing quality of drainage infrastructure in the project area (Table 4).	20%
Social Vulnerability Index (SVI)	CDC measure of communities' ability to survive and recover from a disaster (Table 5).	20%
Long-Term Maintenance Costs	Long-term operating costs of projects (Table 6).	5%
Environmental Impacts	*For channel and detention projects*: Anticipated environmental impact of the project, including whether it requires a permit from the US Army Corps of Engineers or requires the purchase of mitigation credits (Table 7). *For subdivision drainage projects:* Anticipated right-of-way impacts of the project (Table 8).	5%
Potential for Multiple Benefits	*For channel and detention projects:* Anticipated recreational or environmental benefits of the project (Table 9). *For subdivision drainage projects:* Ability of the project to work in conjunction with a nearby detention basin or channel improvement project (Table 10).	5%
	Total	100%

Project Efficiency

Project efficiency is the measure of the amount of funding that is required to reduce the risk of flooding for people or structures from a 100-year rain or flood event. Project efficiency is divided between two measures of efficiency: Project Efficiency using People Benefitted, and Project Efficiency using Structures Benefitted.

Project Efficiency using People Benefitted

Tables 1 provides scoring for ranges of project efficiency using people benefitted. This measure is defined as the total cost of the project divided by the number of people that receive a flood damage reduction benefit from a 100-year flood or rainfall event, based on the estimated population within the project benefit area.

$$Project\ Efficiency\ using\ People\ Benefitted = \frac{Total\ Cost\ of\ Project\ (\$)}{\#\ of\ People\ Benefitted}$$

Table 1: Project Efficiency using People Benefitted Scoring Criteria

Criteria	Score
Greater than $77,000/person	1
$28,001 to $77,000/person	4
$15,001 to $28,000/person	6
$6,000 to $15,000/person	8
Less than $6,000/person	10

Project Efficiency using Structures Benefitted

Table 2 provides scoring for ranges of project efficiency using structures benefitted. This measure is defined as the total cost of the project divided by the number of structures that receive a flood damage reduction benefit from a 100-year flood or rainfall event.

$$Project\ Efficiency\ using\ Structures\ Benefitted = \frac{Total\ Cost\ of\ Project\ (\$)}{\#\ of\ Structures\ Benefitted}$$

Table 2: Project Efficiency using Structures Benefitted Scoring Criteria

Criteria	Score
Greater than $261,000/structure	1
$106,001 to $261,000/structure	4
$60,001 to $106,000/structure	6
$23,000 to $60,000/structure	8
Less than $23,000/structure	10

Existing Conditions

The existing conditions metric for District channels utilizes a data set that was developed to determine the system capacity of the channel. The capacity ranges from 1% Annual Exceedance Probability (AEP), or 100-year storm, to the 50% AEP storm, or 2-year storm. A channel with system capacity greater than the 1% AEP is expected have less than 1% probability of flooding in a given year, while a channel with system capacity less than 50% AEP is expected to have greater than 50% probability of flooding in a given year. Table 3 defines the scoring associated with the system capacity for the District channel in question.

Table 3: Existing Conditions Scoring Criteria (Channel and Detention Projects)

Criteria	Score
System capacity is > 1% AEP storm (100-year storm)	0
System capacity is < 1% AEP storm (100-year storm)	1
System capacity is < 2% AEP storm (50-year storm)	2
System capacity is < 4% AEP storm (25-year storm)	4
System capacity is < 10% AEP storm (10-year storm)	6
System capacity is < 20% AEP storm (5-year storm)	8
System capacity is < 50% AEP storm (2-year storm)	10

A major source of flooding in Harris County occurs outside of the 100-year floodplain, in large part due to inadequate stormwater infrastructure. For projects that provide flood reduction benefits outside the 100-year floodplain, such as subdivision drainage improvement projects, the Existing Conditions metric is based on the estimated excess rainfall accumulation in a 100-year flood event using MAAPNext rain-on-grid data *and* existing quality of drainage infrastructure in the project area. The existing quality of drainage infrastructure is classified using the following criteria:

- *High-Quality Infrastructure* = Streets and roads within the subdivision of proposed improvement are constructed with curb-and-gutter streets post-1984.
- *Medium-Quality Infrastructure* = Streets and roads within the subdivision of proposed improvement are constructed with curb-and-gutter streets pre-1984.
- *Low-Quality Infrastructure* = Streets and roads within the subdivision of proposed improvement are open ditch.

Table 4 defines the scoring associated with the Existing Conditions metric for subdivision drainage improvement projects.

Table 4: Existing Conditions Scoring Criteria (Subdivision Drainage Improvement Projects)

Criteria	Points
Low estimated excess rainfall AND high-quality drainage infrastructure	0
Intermediate estimated excess rainfall OR medium-quality drainage infrastructure (but not both)	3
Intermediate estimated excess rainfall AND medium-quality drainage infrastructure	6
High estimated excess rainfall OR low-quality drainage infrastructure (but not both)	9
High estimated excess rainfall AND low-quality drainage infrastructure	10

Social Vulnerability Index

Social vulnerability refers to the resilience of communities when confronted with disasters such as flooding. Communities that are more socially vulnerable are at greater risk for loss of life during a disaster and are slower to recover after a disaster. The Centers for Disease Control has created its Social Vulnerability Index (SVI) using 15 U.S. Census variables that influence a community's ability to prepare for, respond to, and recover from a disaster. These factors include the percentage of elderly residents, limited English proficiency, households without a vehicle, and other factors. The SVI score of the community served by a given project determines the scoring of this criterion. Table 5 provides the scoring ranges to account for social vulnerability.

Table 5: Social Vulnerability Scoring Criteria

Criteria	Score
SVI indicates low level of vulnerability	1
SVI indicates low to moderate level of vulnerability	4
SVI indicates moderate to high level of vulnerability	7
SVI indicates high level of vulnerability	10

Long Term Maintenance Costs

Maintenance costs for each type of project varies. For channel and detention projects, considerations include the ability to access the channel, channel geometry and material, and maintenance berm width. For example, concrete-lined channels have different maintenance costs than grass-lined channels. Additionally, the size of the channel and/or stormwater detention basin will affect the maintenance costs. Table 6 defines the scoring associated with long term maintenance costs.

Table 6: Long Term Maintenance Costs Scoring Criteria

Criteria	Score
Project will require extensive or specialized maintenance	2
Project will require maintenance outside of District's or jurisdiction's regular maintenance practices	6
Project only requires regular, on-going maintenance	10

Minimize Environmental Impacts

Tables 7 and 8 define the scoring associated with project specific environmental mitigation. For channel and detention projects, environmental mitigation could include purchasing credits at a wetlands or streambank mitigation bank, completing environmental permits, and creating self-mitigating projects. Each of these items has an impact on project cost and schedule.

Table 7: Minimize Environmental Impacts Scoring Criteria (Channel and Detention Projects)

Criteria	Score
Project will have significant environmental impacts requiring a Corps of Engineers Individual Permit and mitigation bank credits	0
Project will have significant environmental impacts requiring mitigation bank credits	2
Project is able to significantly avoid environmental impacts	6
Project has minimal or no environmental impacts	10

For subdivision drainage improvement projects, impact on the environment is minimized when a project can be completed within the road's existing right-of-way.

Table 8: Minimize Environmental Impacts Scoring Criteria (Subdivision Drainage Improvement Projects)

Criteria	Score
Project will require acquiring additional right-of-way	6
Project can be completed within the road's existing right-of-way	10

Potential for Multiple Benefits

Tables 9 and 10 define the scoring associated with the project's potential for multiple benefits including recreational and environmental enhancements. For subdivision drainage improvement projects, multiple benefits are achieved when the drainage improvement project's benefit area also benefits from a nearby detention basin or channel improvement project.

Table 9: Potential for Multiple Benefits Scoring Criteria (Channel and Detention Projects)

Criteria	Score
Project does not have multiple benefits	0
Project has recreational benefits	4
Project has environmental enhancement benefits	6
Project has recreational and environmental enhancement benefits	10

Table 10: Potential for Multiple Benefits Scoring Criteria (Subdivision Drainage Improvement Projects)

Criteria	Score
Project area does not benefit from a District improvement such as a nearby channel improvement or detention basin project	6
Project area also benefits from a District improvement such as a nearby channel improvement or detention basin project	10

Weighted Factors Analysis

The Weighted Factors analysis allows criteria to be weighted based on percentages that sum to 100 percent. Each of the criteria was given a percentage weighting based on a holistic view of flood risk reduction priorities. The District's mission is to provide flood damage reduction projects that work, with appropriate regard for community and nature-driven values; therefore, flood risk reduction for people and structures is the most heavily weighted factor, with the remaining factors weighted in decreasing order of priority: infrastructure and community equity, maintenance, and other factors that influence the long-term value of the project.

• Project Efficiency Weighting Factor	
o Resident Benefits Efficiency	15%
o Structure Benefits Efficiency	30%
• Existing Conditions Weighting Factor	20%
• Social Vulnerability Index Weighting Factor	20%
• Long Term Maintenance Costs Weighting Factor	5%
• Minimizes Environmental Impacts Weighting Factor	5%
• Potential for Multiple Benefits Weighting Factor	5%
	100%

RECOMMENDED 2022 PRIORITIZATION FRAMEWORK FOR THE ALLOCATION OF FUNDS FROM THE HARRIS COUNTY FLOOD RESILIENCE TRUST

April 26, 2022

The previously adopted "Prioritization Framework for the Implementation of the Harris County Flood Control District 2018 Bond Program" (2019 Prioritization Framework), was a major step forward for Harris County. Two years have passed since the 2019 Prioritization Framework was adopted with the original intended purpose of helping determine the order in which 2018 Bond Projects were initiated. Today, all 2018 Flood Bond projects have been initiated and are at various stages of the project lifecycle. The proposed 2022 Prioritization Framework presented in this item is intended for the purpose of allocating funding from the Flood Resilience Trust to projects with partnership funding gaps or in need of contingency funds, as well as help prioritize funding for new projects not included in the 2018 Flood Bond program. The proposed 2022 Prioritization Framework builds upon the previous framework and would not change the funding allocations for projects that are fully funded and underway.

A first version of the proposed modifications was presented to Commissioners Court on 12/14/21. The Court directed the Harris County Flood Control District (HCFCD) and the Office of County Administration (OCA) to solicit feedback from the Community Flood Resilience Task Force (CFRTF) on the proposed modifications.

On 02/17/22, the Community Flood Resilience Task Force (CFRTF) released recommendations on these revisions which included:

1. Use People to Measure People Benefitted
2. Adjust the Assigned Values for Projects Without Direct Benefits to Structures
3. Remove Committed Partnership Funding from the Prioritization Framework
4. Use a More Recent Range of Data for the Level of Service (LOS) Proxy

The proposed 2022 Prioritization Framework incorporates the CFRTF's recommendations as well as staff-level recommendations from the Engineering Department and Flood Control District, and maintains the following overarching goals:

1. **The Prioritization Framework should place greater emphasis on the number of people a project benefits.**
2. **The Prioritization Framework should no longer consider potential *or committed* partner funding as a factor.**
3. **The Prioritization Framework should recognize projects that address structural flooding both inside and outside the 100-year mapped floodplain.**

OVERVIEW OF RECOMMENDED MODIFICATIONS FOR THE 2022 PRIORITIZATION FRAMEWORK

Measure	Description	Old Weight	New Weight
Flood Risk Reduction	*Eliminate* % of structures in a watershed from which the 100-yr floodplain is removed	25%	-
Project Efficiency using People Benefitted	*Add* Total cost of project/number of people benefitted by the project	-	15%
Project Efficiency using Structures Benefitted	Total cost of project/ structural benefits in 100-yr rainfall	10%	30%
Partnership Funding	*Eliminate* Estimated partner funding as % of project cost	10%	-
Existing Conditions	*Add comparable measure subdivision drainage improvement projects based on the maximum excess rainfall in a 100-yr event and existing quality of drainage infrastructure in the project area.* Capacity of the existing Flood Control District channel to manage a flooding event. Lower system capacity means a higher score.	20%	20%
Social Vulnerability Index (SVI)	CDC measure of communities' ability to survive and recover from a disaster	20%	20%
Long-Term Maintenance Costs	Long-term operating costs of projects	5%	5%
Environmental Impacts	*Add comparable measure for subdivision drainage improvement projects based on whether the project requires additional right of way.* Anticipated environmental impact of the project, including whether it requires a permit from the US Army Corps of Engineers or requires the purchase of mitigation credits.	5%	5%
Potential for Multiple Benefits	*Add comparable measure for subdivision drainage improvement projects based on whether the project area also benefits from a nearby channel improvement or detention basin project.* Anticipated recreational or environmental benefits of the project.	5%	5%
	TOTAL		**100%**

RECOMMENDATIONS FOR MODIFICATIONS FOR THE 2022 PRIORITIZATION FRAMEWORK

Recommendation 1: The 2022 Prioritization Framework should place greater emphasis on the number of people benefitted by a project.

Under the 2019 Prioritization Framework, the benefits of flood mitigation projects are measured primarily by the number of structures removed from a 100-year rain or flood event. This value is included in both the Flood Risk Reduction metric which measures the *percentage* of structures in a specific watershed that a project benefits and the Project Efficiency metric. The former metric had the unintended consequence of equally scoring projects in the category even though one project may have a dramatically higher number of structures benefitted, while the latter metric primarily offers a measure of the project's cost efficiency rather than a measure of benefits accrued by people.

The CFRTF's input was to provide greater emphasis on benefits to people instead of structures by implementing a formula that estimates people benefitted. We recommend that the modified Prioritization Framework accomplish that goal by eliminating the Flood Risk Reduction (25%) metric and instead weigh Project Efficiency at 45% using a combination of two efficiency metrics: Project Efficiency using People Benefitted (15%) and Project Efficiency using Structures Benefitted (30%).

The proposed method to estimate the number of people who benefit from a given project is a structure-weighted approach which calculates the average number of people per structure at the sub-watershed level and multiplies that factor by the count of structures benefitted for each project. This method also addresses the CFRTF's recommendation to keep the formula as simple as possible with the fewest number of assumptions, use the most recent and finest grain data possible, and capture benefits for people in the project area, including first and upper floors.

By including both people and structures benefitted, the Prioritization Framework can estimate benefits accrued by residents in the project area, regardless of the floor level, *and* first floor flood risk reduction benefits to structures. As additional data on the number of housing units in each structure becomes available, this method can be refined to produce more precise estimates of the number of people benefitted by a project.

For projects that do not benefit people and structures directly, the 2019 Prioritization Framework assigns values from 1-10, with 10 being the highest score. The CFRTF recommended modifying the assigned values to balance projects with direct flood risk reductions to people with projects that meet broader resilience goals, such as nature-based solutions. Therefore, we recommend:

- Adding a Natural Channel Design category, scored at a 6.
- Reducing the score of Wetland Mitigation Banks from a 6 to a 4, but higher than 1, the CFRTF's recommended value, due to the critical nature of these projects for advancing the portfolio of existing flood risk reduction projects and broader ecological benefits these projects provide.

The following table outlines the recommended scoring for all types of projects that do not directly benefit people and structures.

Type of Project	Benefit to People/Structures	Recommended Assigned Points
Floodplain Preservation	Fully removes future risk, benefits future people and or structures.	7
Natural Channel Design	Can reduce the velocity of water and thus reduce the severity of damage; also offers water quality and ecological benefits in the near term.	6
Wetland Mitigation Bank	Meets a federal regulatory requirement and allows the HCFCD to advance flood reduction projects that impact wetlands. Maintains a no net loss of wetlands which prevents worsening of flood risk and provides ecological benefits.	4
Study/Investigation	Critical first step in the project life cycle and necessary to advance future projects that directly benefit people/structures.	2
Stabilization, Restoration, or Rehabilitation	Primarily operations and maintenance projects that restore or maintain the existing level of service of the channel, thus the risk removal benefit to people/structures is limited.	1

Recommendation 2: The 2022 Prioritization Framework should no longer consider potential or committed partner funding as a factor.

The previous recommendation submitted on 12/14/21 suggested combining three metrics into a proposed Benefit Efficiency metric, calculated by Total Project Cost minus Committed Partnership Funds divided by Total Number of Benefitted Structures. The intention was to eliminate the use of the Potential Partnership Fund metric in the framework and instead account for committed partnership funds as a reduction of the total project cost to the County. However, the CFRTF recommends evaluating the merit of a project based on its overall cost efficiency, calculated using the project's total cost without factoring in committed partnership funding.

As the CFRTF notes and the HCFCD recognizes, the use of potential and/or committed partnership funds in a Prioritization Framework can be a disadvantage to projects that aren't able to obtain other forms of local, state, or federal funds. While securing partnership funding is a challenge for all projects, there are clear examples of disproportionate impact to historically excluded communities. For example, the Federal government's Benefit Cost Ratio, which rates a project's merit based on a ratio of damages avoided to project cost and determines eligibility for many Federal funding programs, disadvantages low-income minority communities affected by historical disinvestment.

Therefore, to ensure that local funds are distributed equitably, we recommend removing the Potential Partnership metric as a separate factor and assigning 45% to the combination of two Project Efficiency measures as stated in recommendation 1. The HCFCD and Harris County will continue to aggressively pursue partnership funds for all projects while using local funds to advance projects.

Recommendation 3: The 2022 Prioritization Framework should recognize projects that address structural flooding both inside and outside the 100-year mapped floodplain.

A significant amount of flooding occurs outside of the FEMA effective (mapped) 100-year floodplain. In part, this is because floodplain maps must be updated to account for new design rainfall rates, development, and advances in engineering technology. However, a primary reason flooding occurs outside the limits of the mapped floodplain is due to inadequate local drainage systems which do not effectively convey water to the Flood Control District's channel system during very intense and/or prolonged rainfall events. Neighborhoods may flood even when the channel system is effectively doing its job.

The responsibility of upgrading and maintaining the subdivision or local drainage system typically resides with cities, municipal utility districts (MUDs), other entities, and/or Harris County. The County continues to take steps to upgrade subdivision drainage and partner with other entities. These subdivision drainage investments are essential not only to reduce flood risk but to ensure the maximum benefit is derived from large-scale channel investments.

The 2019 Prioritization Framework quantifies benefits by estimating the number of structures in the 100-year floodplain which are benefitted. To account for structures and people benefitted from subdivision drainage improvement projects as part of the Project Efficiency metric we recommend using the number of structures and people which will be protected from ponding or flooding outside the floodplain during a 100-year rainfall event. This provides an apples-to apples measure that defines benefits as protection from a 100-year event either inside or outside the floodplain.

In addition, to measure the Existing Conditions metric for a subdivision drainage improvement project, we recommend scoring existing conditions for a given project based on the maximum estimated excess rainfall accumulation in a 100-year flood event using MAAPNext data *and* the existing quality of drainage infrastructure in the project area.

- The HCFCD has developed a mapping tool through the MAAPNext initiative that captures flooding outside of the floodplain. This tool is called a "rain-on-grid" model and estimates the excess rainfall in a 100-year event, considering topography and in-ground infiltration. It shows areas of likely ponding or flooding outside the floodplain.
- The existing quality of drainage infrastructure will be evaluated based on whether the local drainage infrastructure is an open ditch network or enclosed curb-and-gutter streets and the detention standards of the infrastructure, for example, whether the drainage system was designed before or after 1984, the year that Harris County adopted minimum stormwater detention mitigation requirements for the construction of roads.

Finally, we recommend adding comparable measures in the Prioritization Framework for local drainage projects in the following categories:

- Environmental Impacts Metric
    - Add a comparable measure for subdivision drainage improvement projects based on whether the project requires additional right of way.
- Potential for Multiple Benefits Metric

- Add comparable measure for subdivision drainage improvement projects based on whether the project area also benefits from a nearby detention basin or channel improvement project.

Attachment D

Attachment D

2022 Prioritization Framework Scoring and Respective Allocation of Flood Resilience Trust Funds

Project Information			TOTAL GAP	AVAILABLE RESILIENCE TRUST FUNDS	
			$977,335,606	$834,169,018	
Bond ID	**Project Name**	**TOTAL SCORE**	**Funding Gap ($)**	**Remaining Available Funding**	**Resilience Trust Eligibility**
C-11	Design and Construction of Project Brays Corps of Engineers Section 211(f) Project	9	$15,678,189	$818,490,829	**Eligible**
C-20	Mid-Reach Greens Bayou Project - Design and Construction of Channel Conveyance Improvements along Greens Bayou	9	$18,000,000	$800,490,829	**Eligible**
C-33	Design and Construction of Aldine-Westfield Stormwater Detention Basin Improvements	9	$18,640,192	$781,850,637	**Eligible**
C-34	Design and Construction of Lauder Stormwater Detention Basin Improvements	8.4	$11,093,342	$770,757,295	**Eligible**
Z-Subdiv	E-132-00-00 Mitigation Project	8.3	$15,962,911	$754,794,384	**Eligible**
Z-Subdiv	Memorial Hills	8.3	$1,362,640	$753,431,744	**Eligible**
F-35	Construction of Bauer-Hockley Stormwater Detention Basin Improvements	8.3	$186,799	$753,244,945	**Eligible**
C-08	Right-Of-Way Acquisition, Design, and Construction of Stormwater Detention Basin and Channel Conveyance Improvements along Salt Water Ditch	8.2	$37,500,000	$715,744,945	**Eligible**
Z-Subdiv	Highland Ridge and Highland Estates	8.2	$723,781	$715,021,164	**Eligible**
C-28	Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-25-00 & P118-25-01	8.2	$17,712,814	$697,308,350	**Eligible**
C-36	Right-Of-Way Acquisition, Design and Construction of Channel Conveyance Improvements and Bypass Channel for South Mayde Creek	8.2	$9,000,000	$688,308,350	**Eligible**
C-57	Right-of-Way Acquisition, Design and Construction of General Drainage Improvements Along F216-00-00	8.2	$2,000,000	$686,308,350	**Eligible**
C-46	Right-Of-Way Acquisition, Design and Construction of a Stormwater Detention Basin on South Mayde Creek	8	$14,400,000	$671,908,350	**Eligible**
F-26	Management, Right-of-Way Acquisition, Design and Construction of the Little Cypress Creek Frontier Program	8	$19,303,586	$652,604,764	**Eligible**
C-118	Planning, Right-of-Way Acquisition, Design and Construction of a Reservoir along Spring Creek	7.7	$12,500,000	$640,104,764	**Eligible**
C-43	Planning, Right-of-Way Acquisition, Design and Construction of Channel Conveyance Improvements along P138-01-01	7.7	$5,000,000	$635,104,764	**Eligible**
C-14	Design and Construction of Corps of Engineers White Oak Bayou Section 211(f) Project	7.7	$6,340,061	$628,764,703	**Eligible**
C-30	Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-27-00	7.65	$10,800,000	$617,964,703	**Eligible**
C-09	Right-Of-Way Acquisition, Design, and Construction of South Post Oak Stormwater Detention Basin and Channel Conveyance Improvements along C147-00-00	7.6	$13,627,500	$604,337,203	**Eligible**
Z-Subdiv	Houmont Park	7.4	$21,583,897	$582,753,306	**Eligible**
Z-Subdiv	Sierra Ranch and Stonefield Terrace Sec 3	7.4	$368,400	$582,384,906	**Eligible**
Z-Subdiv	Barrett Station (Phase 1 - Dreamland Place)	7.3	$2,297,675	$580,087,231	**Eligible**
Z-Subdiv	Ralston Acres	7.3	$20,273,681	$559,813,550	**Eligible**
C-10	Design and Construction of South Shaver Stormwater Detention Basin	7.2	$11,250,000	$548,563,550	**Eligible**
Z-Subdiv	Airline Estates and Blue Bell	7.1	$12,572,534	$535,991,016	**Eligible**
Z-Subdiv	Creel Country Estates	7.1	$1,500,000	$534,491,016	**Eligible**
Z-Subdiv	Norchester	7.1	$11,952,460	$522,538,556	**Eligible**
Z-Subdiv	Tower Oaks Plaza	7	$8,387,645	$514,150,911	**Eligible**
Z-Subdiv	Aberdeen Green	6.8	$2,665,662	$511,485,249	**Eligible**
C-23	Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-08-00	6.75	$22,500,000	$488,985,249	**Eligible**
C-37	Design and Construction of Little York Stormwater Detention Basin	6.7	$2,500,000	$486,485,249	**Eligible**
C-41	Planning, Right-Of-Way, Design and Construction of Halls Bayou Flood Risk Management Project	6.7	$151,500,000	$334,985,249	**Eligible**
C-07	Design and Construction of the B509-03-00 and B509-04- 00 Stormwater Detention Basins	6.7	$11,250,000	$323,735,249	**Eligible**

Attachment D

2022 Prioritization Framework Scoring and Respective Allocation of Flood Resilience Trust Funds

C-32	Design and Construction of the Cutten Road Stormwater Detention Basin Improvements	6.6	$14,681,425	$309,053,824	**Eligible**
C-24	Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-09-00	6.45	$10,800,000	$298,253,824	**Eligible**
CI-035	Update to 2003 Texas Water Development Board Cypress Creek Tributary Study and Investigate Expanding Stormwater Detention Basins in Cypress Creek Watershed	6.4	$122,864	$298,130,960	**Eligible**
Z-Subdiv	Bernadine Estates & Tower Oaks Sec 3	6.3	$7,542,020	$290,588,940	**Eligible**
C-13	Planning, Right-Of-Way, Design and Construction of Conveyance Improvements along Bintliff Ditch	6.2	$22,500,000	$268,088,940	**Eligible**
C-16	Design and Construction of Woodland Trails Stormwater Detention Basin	6.2	$48,660,000	$219,428,940	**Eligible**
C-26	Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-23-00 and P118-23-02	6.2	$25,200,000	$194,228,940	**Eligible**
Z-Subdiv	Lynwood Estates	6.2	$2,043,952	$192,184,988	**Eligible**
C-48	Right-Of-Way Acquisition, Design and Construction of a Stormwater Detention Basin on South Mayde Creek near the Grand Parkway	6.1	$84,600,000	$107,584,988	**Eligible**
CI-006	Design and Construction of a Stormwater Detention Basin in Brock Park	6.1	$5,000,000	$102,584,988	**Eligible**
Z-Subdiv	Coles Crossing	5.9	$2,425,500	$100,159,488	**Eligible**
Z-Subdiv	Fountainhead Sec 2	5.9	$61,081	$100,098,407	**Eligible**
Z-Subdiv	Prado Woods	5.7	$2,341,344	$97,757,063	**Eligible**
C-31	Design and Construction of the Smith Road Channel Diversion	5.6	$700,000	$97,057,063	**Eligible**
Z-Subdiv	Northfield Place	5.55	$14,635,171	$82,421,892	**Eligible**
Z-Subdiv	Memorial Parkway	5.3	$8,932,902	$73,488,990	**Eligible**
Z-Subdiv	North Forest	5.15	$6,225,712	$67,263,278	**Eligible**
CI-026	Investigation of City of Houston Properties for Conversion to Stormwater Detention Basins	5	$250,000	$67,013,278	**Eligible**
CI-62	Construction of the Friendswood Detention Basin Near FM 528 in Friendswood	4.95	$15,000,000	$52,013,278	**Eligible**
F-23	Construction of Channel Conveyance Improvements Along K163-00-00	4.8	$5,003,742	$47,009,536	**Eligible**
Z-Subdiv	North Park Forest	4.55	$1,377,888	$45,631,648	**Eligible**
C-25	Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-21-00	4.45	$4,853,184	$40,778,464	**Eligible**
CI-010	Partnership Project with Jersey Village on Right-of-Way Acquisition, Design, and Construction of General Drainage Improvements along E127-00-00	4.3	$1,500,000	$39,278,464	**Eligible**
C-12	Right-Of-Way, Design and Construction of Conveyance Improvements along Poor Farm Ditch	4.2	$14,510,000	$24,768,464	**Eligible**
CI-032	Investigation of Additional Stormwater Detention Basins in the White Oak Bayou Watershed	4	$125,000	$24,643,464	**Eligible**
CI-033	Partnership Project with City of Houston on Planning, Right- of-Way Acquisition, Design, and Construction of General Drainage Improvements along E105-00-00	4	$1,000,000	$23,643,464	**Eligible**
Z-Subdiv	Copperfield Southdown Village Sec 1	3.9	$3,314,108	$20,329,356	**Eligible**
C-58	Right-of-Way Acquisition, Design and Construction of General Drainage Improvements Along F101-06-00	3.85	$4,000,000	$16,329,356	**Eligible**
F-22	Restore Channel Conveyance Capacity Along Pillot Gully	3.85	$1,397,837	$14,931,519	**Eligible**
CI-019	Investigations of Potential Detention Sites Around Glendale Dredge Site in Partnership with the City of Houston	3.8	$50,000	$14,881,519	**Eligible**
C-38	Design and Construction of Dinner Creek Stormwater Detention Basin	3.55	$11,250,000	$3,631,519	**Eligible**
CI-029	Restore Channel Conveyance Capacity Along C102-00-00	3.45	$10,000,000	($6,368,481)	**Not Eligible**
Z-Subdiv	Wortham Estates (Regional Project)	3.35	$13,637,000	($20,005,481)	**Not Eligible**
Z-Subdiv	Sawmill Ranch	3.15	$2,034,044	($22,039,525)	**Not Eligible**
CI-030	Right-of-Way Acquisition, Design and Construction of General Drainage Improvements along Turkey Gully	3.1	$30,000,000	($52,039,525)	**Not Eligible**
CI-011	Partnership Project with the City of Houston for Feasibility Study of General Drainage Improvements around Hidden Lake Townhomes	3	$175,000	($52,214,525)	**Not Eligible**

Attachment D

2022 Prioritization Framework Scoring and Respective Allocation of Flood Resilience Trust Funds

C-50	Funding for Future Partnership Projects Based on Results of Study - for Right-of-Way Acquisition, Design, and Construction of General Drainage Improvements in San Jacinto River Watershed Study	2.95	$56,250,000	($108,464,525)	**Not Eligible**
F-82	Demolition of 1119 Commerce Street and Slope Stabilization Along Buffalo Bayou	2.95	$2,604,930	($111,069,455)	**Not Eligible**
CI-003	Rehabilitation of the A214-00-00 channel to Restore Channel Conveyance Capacity	2.85	$500,000	($111,569,455)	**Not Eligible**
CI-037	Restore Channel Conveyance Capacity Along C146-00-00	2.85	$15,000,000	($126,569,455)	**Not Eligible**
CI-038	Restore Channel Conveyance Capacity Along D115-00-00	2.85	$15,000,000	($141,569,455)	**Not Eligible**
Z-Subdiv	Wortham U/R	2.55	$163,400	($141,732,855)	**Not Eligible**
Z-Subdiv	Rock Creek	2.55	$1,433,733	($143,166,588)	**Not Eligible**

Attachment E

Attachment E

1001 Preston St., Suite 934
Houston, Texas 77002

Harris County, Texas

Commissioners Court

Request for Court Action

File #: 23-0514 **Agenda Date:** 1/31/2023 **Agenda #:** 157.

Department: Flood Control District
Department Head/Elected Official: Tina Petersen, Ph.D., P.E., Executive Director

Regular or Supplemental RCA: Regular RCA
Type of Request: Financial Authorization

*See Attached Order

	YES	NO	ABSTAIN
Judge Lina Hidalgo	☑	☐	☐
Comm. Rodney Ellis	☑	☐	☐
Comm. Adrian Garcia	☑	☐	☐
Comm. Tom S. Ramsey	☑	☐	☐
Comm. Lesley Briones	☑	☐	☐

Project ID (if applicable): N/A
Vendor/Entity Legal Name (if applicable): N/A

MWDBE Contracted Goal (if applicable): N/A
MWDBE Current Participation (if applicable): N/A
Justification for 0% MWDBE Participation Goal: N/A - Goal not applicable to request

Request Summary (Agenda Caption):
Request for approval of the utilization of $64,809,147.82 from the Harris County Flood Resilience Trust on 2018 Bond Program projects according to the methodology previously approved by Commissioners Court.

Background and Discussion:
On June 29, 2021, the Harris County Commissioners Court established the Flood Resilience Trust to act as a backstop for 2018 Bond Program projects with anticipated partnership funding gaps and projects with contingency funding needs. On June 28, 2022, Commissioners Court approved a proposed methodology for utilization of funds from the Harris County Flood Resilience Trust, as well as an initial utilization request of $84,952,031 to assure that no 2018 Bond Program Project was delayed while additional partner funding is pursued. This request was made with the expectation that subsequent requests for additional funds from the Flood Resilience Trust would be on a bi-annual basis. A supplemental request was approved by Harris County Commissioners Court on October 25, 2022, to provide funding to several projects that needed Flood Resilience Trust dollars on a faster timetable, without changing the total anticipated project costs or Flood Resilience Trust needs.

This item is to request for approval to utilize $64,809,147.82 of Flood Resilience Trust funding will bring the total utilization to $164,991,649. All projects included in the current utilization request are eligible for Flood Resilience Trust funding based on the methodology presented on June 28, 2022. Current resilience trust funding is sufficient to cover this request.

Additional Flood Resilience Trust requests will be made on a bi-annual basis, with occasional individual requests anticipated on an as needed basis for items such as grants, construction award, or construction change in contracts.

Expected Impact:

If approved, this item ensures that high-priority projects in immediate need of funding will continue without schedule delays or interruptions, while the County continues to pursue partnership funding for any and all eligible projects.

Alternative Options:
The alternative to approving utilization of these funds is to delay these projects until suitable partnerships are identified.

Alignment with Goal(s):

_ Justice and Safety
_ Economic Opportunity
_ Housing
_ Public Health
_ Transportation
X Flooding
_ Environment
_ Governance and Customer Service

Presented to Commissioners Court

January 31, 2023

Approve: G/E *See attached order

Prior Court Action (if any)**:**

Date	Agenda Item #	Action Taken
08/27/2019	2.g	Approval of Bond Prioritization Framework
06/29/2021	191.	Approval of Flood Resilience Trust
10/26/2021	136.	Motion to address flooded structures outside the floodplain
12/14/2021	17.	Motion to present proposed changes to the Prioritization Framework to the CFRTF for review and input
4/26/2022	228.	Transmittal by the Flood Control District on behalf of the Harris County Community Flood Resilience Task Force of recommendations on the proposed modifications to the 2019 Prioritization Framework
4/26/2022	229	Transmittal by the Flood Control District of the 2022 Prioritization Framework for the Allocation of Funds from the Flood Resilience Trust
06/28/2022	123	Request for approval of a recommended methodology for determining Harris County Flood Resilience Trust eligibility and the utilization of funds from the Harris County Flood Resilience Trust on 2018 Bond Program projects according to that methodology.
10/25/2022	93	Request for approval of a supplemental utilization of funds from the Harris County Flood Resilience Trust on 2018 Bond Program projects according to the methodology previously approved by Commissioners Court

Location: N/A

Address (if applicable):
Precinct(s): Countywide

Fiscal and Personnel Summary			
Service Name	N/A		
	FY 23	**FY 24**	**Next 3 FYs**
Incremental Expenditures (do NOT write values in thousands or millions)			
Labor Expenditures	$	$	$
Non-Labor Expenditures	$	$	$
Total Incremental Expenditures	**$**	**$**	**$**
Funding Sources (do NOT write values in thousands or millions)			
Existing Budget			
Choose an item.	$	$	$
Choose an item.	$	$	$
Choose an item.	$	$	$
Total Current Budget	$	$	$
Additional Budget Requested			
Choose an item.	$	$	$
Choose an item.	$	$	$
Choose an item.	$	$	$
Total Additional Budget Requested	$	$	$
Total Funding Sources	**$**	**$**	**$**
Personnel (Fill out section only if requesting new PCNs)			
Current Position Count for Service	-	-	-
Additional Positions Requested	-	-	-
Total Personnel	**-**	**-**	**-**

Anticipated Court Date: January 31, 2023

Anticipated Implementation Date (if different from Court date):

Emergency/Disaster Recovery Note: Not an emergency, disaster, or COVID-19 related item

Contact(s) name, title, department: Yesenia Martinez, Commissioners Court Coordinator, Flood Control District

Attachments (if applicable)**:** Harris County Flood Resilience Trust: Update and Request for Utilization of Funds

ORDER OF COMMISSIONERS COURT

The Commissioners Court of Harris County, Texas, convened at a meeting of the Court at the Harris County Administration Building in the City of Houston, Texas, on January 31, 2023 with all members present.

Commissioner Garcia introduced an order and made a motion that the same be adopted. Commissioner Ellis seconded the motion for adoption of the order. The motion, carrying with it the adoption of the order, prevailed by the following vote:

Vote of the Court	Yes	No	Abstain
Judge Hidalgo	☑	□	□
Comm. Ellis	☑	□	□
Comm. Garcia	☑	□	□
Comm. Ramsey, P.E.	☑	□	□
Comm. Briones	☑	□	□

The County Judge thereupon announced that the motion had duly and lawfully carried and that the order had been duly and lawfully adopted. The order thus adopted follows:

IT IS ORDERED:

1. To allocate $64.8 million from the Flood Resilience Trust to the 2018 Bond Program projects and to direct the Flood Control District to return with a plan to complete the 2018 Bond Program using existing 2018 Bond resources utilizing a worst first approach with the focus on equity and serving residents of Harris County.

Presented to Commissioners Court

January 31, 2023

Approve: G/E

JANUARY 31, 2023

Summary

The financial framework developed for the 2018 Bond Program relies on approximately $2.5 billion in anticipated partnership funding to match the County's $2.5 billion investment of voter-authorized bond program dollars. Although the Harris County Flood Control District continues to aggressively pursue partnership dollars in order to implement the Bond Program as it was originally envisioned, substantial amounts of anticipated partner funding remain unrealized.

On June 29, 2021, the Harris County Commissioners Court established the Flood Resilience Trust to act as a backstop for 2018 Bond Program projects with anticipated partnership funding gaps and projects with contingency funding needs. Commissioners Court directed the Flood Control District to use an updated Prioritization Framework to allocate funds from the Trust. In response to this directive, on April 26, 2022, the Flood Control District transmitted the "2022 Prioritization Framework for the Allocation of Funds from the Harris County Flood Resilience Trust" to Commissioners Court.

On June 28, 2022, Commissioners Court approved a first allocation of $84.95 million towards projects in the 2018 Bond Program with funding gaps, based on the 2022 Prioritization Framework (described below). A supplemental request of $15.23 million was approved by the Harris County Commissioners Court on October 25, 2022, bringing the total utilization to date to $100.18 million. This memorandum is the first biannual update of Flood Resilience Trust needs, including a request for authorization to utilize funding from the Trust for projects nearing stages in their project lifecycles during which additional funding will be needed to avoid project delays. Funding amounts and eligibility for the Flood Resilience Trust have been determined using the same methodology that was presented in the previous update to Commissioners Court.

This memorandum includes an outline of the previously approved methodology to be used for accessing funds from the Flood Resilience Trust, a summary of the current funding and a request for authorization to utilize $64,809,148 in Flood Resilience Trust funds towards 2018 Bond Program projects with partnership funding gaps and contingency funding needs. The projects funded by this request are located in the Armand Bayou, Halls Bayou, Greens Bayou, and Sims Bayou Watersheds and have prioritization framework scores within the First and Second Quartiles. A total of $93.4 million in funds are currently available in the Flood Resilience Trust. Once the requests in this item are funded, there will be $31.7 million in funds that are currently available in the Flood Resilience Trust.

The Flood Resilience Trust was created to "provide backstop funding for Bond Program projects to compensate for partner funding shortfalls or cost overruns." As such, we recommend that priority for the use of funds from the Flood Resilience Trust remain ensuring that no 2018 Bond Program project is delayed due to lack of partner funding. However, in some limited cases delays in project implementation may be necessary to ensure eligibility for secured partnership funding that has not yet been allocated to the Flood Control District, such as grants or CDBG-MIT funding. These cases will be addressed individually, and Commissioners Court will be notified of any pauses associated with waiting for partnership funding.

Note: Eligibility for Flood Resilience Trust funding based on the methodology presented here does not necessarily indicate that funding will be allocated to eligible projects in the future. Allocation of funds towards individual Bond Program projects will be carried out on a project-by-project basis, only when funding is needed and if additional funding partners are not identified.

Methodology for Determining Flood Resilience Trust Eligibility

On June 29, 2021, the Harris County Commissioners Court established the Flood Resilience Trust to act as a backstop for 2018 Bond Program projects with anticipated partnership funding gaps and projects with contingency funding needs. The methodology to implement the framework was approved by Commissioners Court on June 28, 2022.

Bond IDs with a partnership funding gap or contingency funding needs will continue to advance through their project lifecycles using funding allocated to them through the 2018 Bond Program for as long as possible before drawing from the Flood Resilience Trust, to preserve available funding and allow the County to continue to seek partnership funds for as many projects as possible. Once an eligible project cannot continue to advance without additional funding, the County will draw funds from the Flood Resilience Trust and allocate them to 2018 Bond Program projects to minimize delays or slowdowns in project implementation.

This section outlines the approved process for determining whether a Bond ID is eligible to receive Flood Resilience Trust funding.

- **Step 1:** Score all Bond IDs with existing partnership or contingency funding needs using the 2022 Prioritization Framework for Allocation of Funds from the Flood Resilience Trust.
- **Step 2:** Order Bond IDs by prioritization score. Individual Bond ID prioritization scores may be revised over time as more accurate data on project benefits becomes available.
- **Step 3:** A Bond ID is eligible for Flood Resilience Trust funding if the total funding gap associated with that project and all projects with higher prioritization scores is less than the total current and anticipated Flood Resilience Trust funding. Projects that are not eligible for funding will not be able to request additional funding from the Flood Resilience Trust based on this framework.
- **Step 4:** Allocate Flood Resilience Trust funds to eligible Bond IDs when projects cannot continue to advance without additional funding.

Requests may also be noted outside of the bi-annual process should there be urgent funding needs to allow projects to continue moving forward (e.g., construction award, changes in contract, grants, etc.). These requests will be reflected in the bi-annual updates.

Authorization to Utilize Flood Resilience Trust Funds

Based on the methodology presented above, we are requesting authorization to utilize $64,809,148 in Flood Resilience Trust funds towards 2018 Bond Program Bond IDs that have outstanding funding needs through the first six months of 2023. The projects funded by this request are located in the Armand Bayou, Halls Bayou, Greens Bayou, and Sims Bayou Watersheds and have prioritization framework scores within the First and Second Quartiles. This utilization request includes $24,544,982 in funding for Bond IDs with anticipated partnership gaps that need funding to continue without delaying project implementation and $40,264,166 in contingency funding due to cost escalation for three Bond IDs. Details of the Bond IDs included in this funding utilization request are included in **Appendix A**. Upon approval of this item, the total utilization of the Flood Resilience Trust will be $164,991,649.

As Flood Resilience Trust funding is allocated to Bond IDs or partnership funding is awarded, the total amount of funding available will be updated along with the list of Bond IDs with partnership or contingency funding needs. The Flood Control District will provide Commissioners Court with biannual summaries of existing funding gaps, available Flood Resilience Trust funding, and project prioritization scores. These updates will reflect the fact that available funding, project costs, and the group of Bond IDs with funding needs will evolve over time.

Flood Resilience Trust: Details

There are three types of funding that were anticipated for the Flood Resilience Trust:

Reimbursements

Reimbursements in the Flood Resilience Trust include funding reimbursed from grants or programs where Harris County has spent money that is later reimbursed by Federal and State partners such as the US Army Corps of Engineers (USACE) and the Texas Division of Emergency Management (TDEM). This funding is not funding from the 2018 Bond Program.

- The Flood Control District's current estimate for the total amount of funds to be reimbursed is $89.4 million. The timing and exact amount of individual reimbursements is not known.
- Since the establishment of the Flood Resilience Trust, the Flood Control District has been reimbursed $3.1 million by the USACE and an Interlocal Agreement with a local partner. This amount is reflected in the total Flood Resilience Trust funds available.

Bond Funds

This category includes funding from the $2.5 billion 2018 Flood Control District Bond, including funds left over from completed Bond IDs, funding programmed towards contingencies, surplus bond funds and bond funds previously allocated for subdivision drainage projects that were replaced by mobility funds as part of the establishment of the Flood Resilience Trust on June 29, 2021.

- To date, $193.6 million in bond funds have been allocated towards the Flood Resilience Trust, including $115.2 million in funds previously allocated to subdivision drainage projects, $8.2 million in contingency funds, $20.2 million in bond funding returned to the Flood Resilience Trust from projects that have been completed or closed, and $50 million in surplus funds from the voluntary home buyout program (Z-Buyout).
- Of that amount, $100.2 million in Flood Resilience Trust funds have been utilized by projects with funding gaps based on the requests for utilization approved by Commissioners Court in June and October of 2022.

Mobility Funds and Other County Resources

This category includes mobility funds transferred to the Flood Resilience Trust, or funds from other County funding sources. This category includes mobility funds transferred to the Flood Resilience Trust as part of the annual budget process for roadway-related flood mitigation subject to applicable standards and financial feasibility. To date, mobility funds have been used only for the subdivision drainage program which was originally part of the 2018 Bond program.

Total Available Funds

Based on the above availability of funding within the different sources that make up the Flood Resilience Trust, $96.5 million in Flood Resilience Trust funding is currently available. Should all allocations and utilization requests from the Flood Resilience Trust shown in this document be approved by Commissioners Court, $31.7 million will be remaining in the Flood Resilience Trust.

Flood Resilience Trust Funding Needs

We anticipate that the current Flood Resilience Trust funding availability is sufficient to implement the 2018 Bond Program through this current (Q1 2023) request, after which additional resources will be needed. **Based on currently projected cashflow and anticipated reimbursements, we anticipate that additional funds will be needed in Q3 2023 to continue the 2018 Bond Program without interruption.**

The Flood Control District will continue to return to Commissioners Court on a biannual basis for approval of the utilization of additional Flood Resilience Trust funding beyond the amount included in this request, with updated analyses of partnership and contingency funding needs, available funding, and Flood Resilience Trust eligibility for 2018 Bond Program projects with outstanding funding needs.

Appendix A: Detail of Current Flood Resilience Trust Fund Utilization Request

Bond ID	Watershed	Project Title	Precinct	Prioritization Framework Quartile	Total Anticipated Spending	Remaining Partner Funding Gap	Current Utilization Request - Partner Funding Gap	Current Utilization Request - Cost Contingency	Total Utilization Request: 1/31/2023
C-01	Halls Bayou	Construction of P518-26 Stormwater Detention Basin	2	1st Quartile	$24,188,181.55	$19,400,000.00	$600,000.00	$0.00	$600,000.00
C-09	Sims Bayou	Right-Of-Way Acquisition, Design, and Construction of South Post Oak Stormwater Detention Basin and Channel Conveyance Improvements along C147-00-00	1	1st Quartile	$19,547,813.00	$12,005,313.00	$3,000,000.00	$0.00	$3,000,000.00
C-10	Sims Bayou	Design and Construction of South Shaver Stormwater Detention Basin	2	2nd Quartile	$15,000,000.00	$0.00	$4,372,714.00	$0.00	$4,372,714.00
C-20	Greens Bayou	Mid-Reach Greens Bayou Project - Design and Construction of Channel Conveyance Improvements along Greens Bayou	1 & 2	1st Quartile	$20,200,048.50	$15,706,740.00	$2,293,260.00	$0.00	$2,293,260.00
C-24	Halls Bayou	Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-09-00	1	2nd Quartile	$12,000,000.00	$6,386,842.00	$1,000,000.00	$0.00	$1,000,000.00
C-28	Halls Bayou	Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-25-00 & P118-25-01	2	1st Quartile	$28,000,000.00	$6,762,814.00	$11,450,000.00	$0.00	$11,450,000.00
C-31	Greens Bayou	Design and Construction of the Smith Road Channel Diversion	3	2nd Quartile	$12,000,000.00	$0.00	$0.00	$4,542,198.00	$4,542,198.00
C-32	Greens Bayou	Design and Construction of the Cutten Road Stormwater Detention Basin Improvements	1	2nd Quartile	$16,181,425.00	$0.00	$1,829,007.69	$0.00	$1,829,007.69
C-34	Greens Bayou	Design and Construction of Lauder Stormwater Detention Basin Improvements	2	1st Quartile	$44,692,514.98	$0.00	$0.00	$11,258,714.00	$11,258,714.00
C-59	White Oak Bayou	Construction of Inwood Forest Stormwater Detention Basin	1	2nd Quartile	$83,942,999.50	$3,998,546.00	$0.00	$18,000,000.00	$18,000,000.00
CI-023	Armand Bayou	Right-Of-Way, Design and Construction of Conveyance Improvements along Horsepen Bayou	2	2nd Quartile	$12,463,254.13	$6,463,254.13	$0.00	$6,463,254.13	$6,463,254.13
						Total	**24,544,981.69**	**40,264,166.13**	**64,809,147.82**

Attachment F

Attachment F

225. Request for approval of a project scheduled for advertisement and consent for Request for Proposal for pilot or expand early childhood programs through the Early Childhood Impact Fund for Harris County (ARPA Funded) (220410).

Attachments: 23-0104 Advertisement Job No. 220410

A motion was made by Commissioner Garcia, seconded by Commissioner Ellis, that this item be approved. The motion carried by the following vote:

Aye: Commissioner Ellis, Commissioner Garcia, and Commissioner Briones

Nay: Commissioner Ramsey

Absent: County Judge Hidalgo

Commissioner, Precinct 1

250. Request for approval to direct the Harris County Flood Control District ("District") to assign prioritization scores using the adopted 2022 Prioritization Framework for the Allocation of Funds from the Harris County Flood Resilience Trust to all new flood risk reduction projects funded by the District when requesting Commissioners Court approval to initiate the project, and to transmit those scores as quartiles to Commissioners Court.

Attachments: 0250_0_Staff Report.pdf

A motion was made by Commissioner Ellis, seconded by Commissioner Garcia, that this item be approved. The motion carried by the following vote:

Aye: Commissioner Ellis, Commissioner Garcia, and Commissioner Briones

Nay: Commissioner Ramsey

Absent: County Judge Hidalgo

Commissioner, Precinct 2

251. Request for approval of an agreement with Catholic Charities for the provision of clinical services in the Access2Health Mental Health Smart Pod.

Attachments: 0251_0_Staff Report.pdf

No additional motions were made for Item 251.

Transmittals

294. Transmittal by the Office of the Purchasing Agent of a project scheduled for advertisement for road reconstruction at West Gulf Bank Road I-45 to Airline Drive for Precinct 2 (220461).

Attachments: 23-0272 Advertisement Transmittal Job No. 220461

This item was accepted.

Attachment G

WATERSHED	TYPE	BOND ID	UNIT ID	TITLE	PRECINCT	* ESTIMATED 2018 BOND FUNDS (BF)	** ESTIMATED PARTNER FUNDS (PF)	***ESTIMATED DISTRICT FUNDS (DF)	TOTAL ESTIMATE (BF+PF+DF)	2022 Prioritization Framework Score	DESCRIPTION
Addicks Reservoir	Partnership	C-36	U101-00-00	Right-Of-Way Acquisition, Design and Construction of Channel Conveyance Improvements and Bypass Channel for South Mayde Creek	4	$ 1,000,000	$ 9,000,000	$ -	$ 10,000,000	1st Quartile	This Bond ID provides funding for any of the various project lifecycle stages associated with projects to reduce flood risks near lower South Mayde Creek, U101-00-00, on or near federally owned land.
Addicks Reservoir	Partnership	C-37	U500-01-00	Design and Construction of Little York Stormwater Detention Basin	4	$ 500,000	$ 2,500,000	$ -	$ 3,000,000	2nd Quartile	This Bond ID provides funding for any of the various project lifecycle stages associated with constructing a stormwater detention basin adjacent to Langham Creek, U100-00-00, to reduce flood risks.
Addicks Reservoir	Partnership	C-38	U520-01-00	Design and Construction of Dinner Creek Stormwater Detention Basin	4	$ 3,750,000	$ 11,250,000	$ -	$ 15,000,000	3rd Quartile	This Bond ID provides funding for the expansion of the existing Dinner Creek Stormwater Detention Basin, U520-01-00, to provide flood risk reduction for approximately 200 structures.
Addicks Reservoir	Partnership	C-40	U100-00-00	Corps of Engineers Section 216 Study - Addicks and Barker Reservoirs	Countywide	$ -	$ 6,000,000	$ 1,738,303	$ 7,738,303	2nd Quartile	This Bond ID provides local match funding for projects and/or operational changes that the US Army Corps of Engineers recommends to improve the effectiveness and safety of the Addicks and Barker Reservoirs.
Addicks Reservoir	Partnership	C-46	U501-06-00	Right-Of-Way Acquisition, Design and Construction of a Stormwater Detention Basin on South Mayde Creek	4	$ 1,600,000	$ 14,400,000	$ -	$ 16,000,000	1st Quartile	This Bond ID provides funding for any of the various project lifecycle stages associated with constructing a stormwater detention basin adjacent to South Mayde Creek, U101-00-00, to reduce flood risks.
Addicks Reservoir	Local	C-47	U101-00-00	Design and Construction of a Bridge Replacement for Greenhouse Road at South Mayde Creek	4	$ -	$ -	$ -	$ -	2nd Quartile	This Bond ID provided funding for an investigation of flood risk reduction potential to replace the bridge at Greenhouse Road at South Mayde Creek, U101-00-00.
Addicks Reservoir	Partnership	C-48	U101-00-00	Right-Of-Way Acquisition, Design and Construction of a Stormwater Detention Basin on South Mayde Creek near the Grand Parkway	4	$ 9,400,000	$ 84,600,000	$ -	$ 94,000,000	2nd Quartile	This Bond ID provides funding for any of the various project lifecycle stages associated with constructing a stormwater detention basin near South Mayde Creek, U101-00-00, near the Grand Parkway.
Addicks Reservoir	Local	C-52	U100-00-00	Rehabilitation of Channels Inside of Addicks Reservoir to Restore Channel Conveyance Capacity	3 & 4	$ 10,000,000	$ -	$ -	$ 10,000,000	3rd Quartile	This Bond ID provides funding for various major maintenance activities to restore conveyance capacity of channels on federally owned land within Addicks Reservoir.
Addicks Reservoir	Local	F-53	U100-00-00	Rehabilitation of Channels Upstream of Addicks Reservoir to Restore Channel Conveyance Capacity	3 & 4	$ 40,000,000	$ -	$ -	$ 40,000,000	3rd Quartile	This Bond ID provides funding for various major maintenance activities to restore conveyance capacity of channels upstream of Addicks Reservoir.
Addicks Reservoir	Local	F-54	U100-00-00	Right-Of-Way Acquisition, Design and Construction of Control Structures and Stormwater Quality Features for the Upper Langham Creek Program	3 & 4	$ 10,000,000	$ -	$ -	$ 10,000,000	2nd Quartile	This Bond ID provides funding for any of various project lifecycle stages in connection with the Upper Langham Creek Frontier Program, which could reduce the risk of flooding within the program service area near Langham Creek, U100-00-00, in the Addicks Reservoir watershed for more than 2,500 structures in a pre-Atlas 14 1% (100-year) rainfall event and mitigate development flood risk impacts upstream and downstream of the program limits.
Addicks Reservoir	Local	F-55	U102-00-00	Planning, Right-Of-Way Acquisition, Design, and Construction for Ultimate Conveyance on Bear Creek	3 & 4	$ 25,000,000	$ -	$ -	$ 25,000,000	3rd Quartile	This Bond ID provides funding for any of the various project lifecycle stages associated with constructing a stormwater detention basin adjacent to Bear Creek, U102-00-00, to reduce flood risks.
Addicks Reservoir	Local	F-56	U500-00-00	Right-Of-Way Acquisition, Design, and Construction of a Retention Area	3 & 4	$ 15,000,000	$ -	$ -	$ 15,000,000	1st Quartile	This Bond ID provides funding for the investigation of the use of multiple shallow reservoirs instead of a single large third reservoir within the upper portions of the Cypress Creek and Addicks Reservoir watersheds, persuant to the Upper Cypress Creek Overflow and Addicks Reservoir Interim Guidelines, to reduce the risk of flooding for more than 400 structures in an Atlas 14 1% (100-year) rainfall event.
Addicks Reservoir	Local	F-83	U500-00-00	Right-Of-Way Acquisition, Design and Construction of a Stormwater Detention Basin North of John Pauls Landing for the Upper Langham Creek Program	4	$ 21,000,000	$ -	$ -	$ 21,000,000	1st Quartile	This Bond ID provides funding for any of the various project lifecycle stages associated with constructing a stormwater detention basin adjacent to Langham Creek, U100-00-00, north of John Paul Landing to reduce flood risks as part of the Upper Langham Creek Frontier Program.
Addicks Reservoir	Local	F-84	U102-12-00	Design and Construction of Secondary Outfall for John Pauls Landing for the Upper Langham Creek Program	4	$ 5,000,000	$ -	$ -	$ 5,000,000	1st Quartile	This Bond ID provides funding for any of the various project lifecycle stages associated with constructing a secondary outfall for John Paul Landing as part of the Upper Langham Creek Frontier Program.
Armand Bayou	Partnership	C-06	B512-02-00	Right-Of-Way Acquisition, Design and Construction of B112-00-00 and Tributaries Conveyance Improvements	2	$ 2,000,000	$ 5,700,000	$ 644,097	$ 8,344,097	2nd Quartile	This Bond ID provides funding for design and construction of the Brookglen Stormwater Detention Basin, B512-02-00, which could reduce the risk of flooding for more than 53 structures and 24.5 acres of floodplain in the Atlas 14 1% (100-year) rainfall event. This project is also funded by a Natural Resources Conservation Service grant.

ATTACHMENT 1 – BOND TABLE CONT.

WATERSHED	TYPE	BOND ID	UNIT ID	TITLE	PRECINCT	* ESTIMATED 2018 BOND FUNDS (BF)	** ESTIMATED PARTNER FUNDS (PF)	***ESTIMATED DISTRICT FUNDS (DF)	TOTAL ESTIMATE (BF+PF+DF)	2022 Prioritization Framework Score	DESCRIPTION
Armand Bayou	Partnership	C-07	B509-00-00	Design and Construction of the B509-03-00 and B509-04-00 Stormwater Detention Basins	2	$ 4,750,000	$ 10,250,000	$ -	$ 15,000,000	2nd Quartile	This Bond ID provides funding for the B509-03-00 and B509-04-00 stormwater detention basins (collectively the Genoa Red Bluff Stormwater Detention Basin), which could reduce the risk of flooding for more than 400 structures in the Atlas 14 1% (100-year) rainfall event.
Armand Bayou	Partnership	C-44	B100-00-00	Armand Bayou Right-of-Way Acquisition and Floodplain Preservation	2	$ 2,000,000	$ 9,340,000	$ -	$ 11,340,000	2nd Quartile	This Bond ID provides funding for right-of-way acquisition in the Armand Bayou watershed for flood risk reduction projects and floodplain preservation.
Armand Bayou	Community Input	CI-021	B112-00-00	Brookglen Flooding Mitigation Analysis	2	$ 210,795	$ -	$ -	$ 210,795	Complete	This Bond ID provided funding for a planning study that identified multiple projects to reduce the risk of flooding in the Brookglen area. An important conclusion of the study was that local drainage improvements inside the Brookglen neighborhood are required to significantly reduce the risk of flooding due to the "bowl-shaped" topography.
Armand Bayou	Community Input	CI-023	B104-00-00	Right-Of-Way, Design and Construction of Conveyance Improvements along Horsepen Bayou	2	$ 12,463,254	$ -	$ -	$ 12,463,254	2nd Quartile	This Bond ID provides funding for any of the various project lifecycle stages associated with a project to improve stormwater conveyance and construct 68 acre-feet of stormwater detention in the Horspen Bayou watershed. This project could remove the pre-Atlas 14 .2 percent (500-year) floodplain from 256 structures.
Armand Bayou	Local	F-72	B513-02-00	Design and Construction of the Baywood Stormwater Detention Basin	2	$ 2,000,000	$ -	$ -	$ 2,000,000	4th Quartile	This Bond ID provides funding for construction of the Baywood Stormwater Detention Basin, B513-02-00, which could provide floodplain reduction benefits to 5% of the floodplain area, 1.2 miles of roadway and six structures.
Armand Bayou	Partnership	F-96	B100-00-00	Investigations of General Drainage Improvements in Armand Bayou Watershed	2	$ -	$ 950,000	$ 250,000	$ 1,200,000	Complete	This Bond ID provided funding for a watershed planning study that identified seven projects that, if implemented in the future, could reduce the risk of flooding for more than 550 structures and could reduce the duration and frequency of flooding for more than two miles of roadway in an Atlas 14 1% (100-year) rainfall event.
Armand Bayou	Local	F-99	B100-00-00	Right-Of-Way, Design and Construction of Conveyance Improvements along Armand Bayou	2	$ 10,000,000	$ -	$ -	$ 10,000,000	2nd Quartile	This Bond ID provides funding for any of the various project lifecycle stages associated with projects identified by the Armand Bayou Watershed Planning Study, Bond ID F-96.
Barker Reservoir	Local	C-53	T100-00-00	Rehabilitation of Channels Inside of Barker Reservoir to Restore Channel Conveyance Capacity	4	$ 10,000,000	$ -	$ -	$ 10,000,000	3rd Quartile	This Bond ID provides funding for various major maintenance activities to restore conveyance capacity of channels on federally owned land within Barker Reservoir.
Barker Reservoir	Local	F-52	T100-00-00	Rehabilitation of Approximately 20 Miles of Channels Upstream of Barker Reservoir to Restore Channel Conveyance Capacity	4	$ 20,000,000	$ -	$ -	$ 20,000,000	3rd Quartile	This Bond ID provides funding for various major maintenance activities to restore conveyance capacity of channels upstream of Barker Reservoir.
Brays Bayou	Partnership	C-11	D100-00-00	Design and Construction of Project Brays Corps of Engineers Section 211(f) Project	1, 2, & 4	$ 15,678,189	$ 75,000,000	$ -	$ 90,678,189	1st Quartile	This Bond ID provides funding for design and construction of the Brays Bayou Federal Flood Damage Reduction Project, known as Project Brays.
Brays Bayou	Partnership	C-12	D111-00-00	Right-Of-Way, Design and Construction of Conveyance Improvements along Poor Farm Ditch	1, 2, & 4	$ 4,500,000	$ 14,510,000	$ -	$ 19,010,000	3rd Quartile	This Bond ID provides funding for any of the various project lifecycle stages for conveyance improvements near Brays Bayou tributary D111-00-00, also known as Poor Farm Ditch.
Brays Bayou	Partnership	C-13	D133-00-00	Planning, Right-Of-Way, Design and Construction of Conveyance Improvements along Bintliff Ditch	4	$ 7,500,000	$ 22,500,000	$ -	$ 30,000,000	2nd Quartile	This Bond ID provides funding for any of the various project lifecycle stages for conveyance improvements along Brays Bayou tributary D133-00-00, also known as Bintliff Ditch. The project will be coordinated with the City of Houston.
Brays Bayou	Community Input	CI-025	D100-00-00	Investigation of Additional Stormwater Detention Basins in the Brays Bayou Watershed	1 & 4	$ 200,000	$ -	$ -	$ 200,000	3rd Quartile	This Bond ID provides funding for an investigation of additional stormwater detention basins in the Brays Bayou Watershed.
Brays Bayou	Community Input	CI-034	D100-00-00	Investigation of Channel Improvements Upstream of Fondren Road on Brays Bayou	1 & 4	$ 250,000	$ -	$ -	$ 250,000	3rd Quartile	This Bond ID provides funding for an investigation of channel conveyance improvements on Brays Bayou upstream of Fondren Road.
Brays Bayou	Community Input	CI-038	D115-00-00	Restore Channel Conveyance Capacity Along D115-00-00	4	$ 15,000,000	$ 15,000,000	$ -	$ 30,000,000	3rd Quartile	This Bond ID provides funding for a project to restore channel conveyance capacity near Brays Bayou tributary D115-00-00, also known as Cypress Slough Ditch, in the City of Bellaire.
Brays Bayou	Local	F-07	D118-00-00	Planning, Right-Of-Way Acquisition, Design, and Construction of Channel Conveyance Improvements on Keegans Bayou	1 & 4	$ 32,500,000	$ -	$ -	$ 32,500,000	1st Quartile	This Bond ID provides funding for any of the various project lifecycle stages for channel conveyance improvements along Brays Bayou tributary D118-00-00, also known as Keegans Bayou. The project will be coordinated with the City of Houston.
Brays Bayou	Local	F-08	D140-00-00	Planning, Right-Of-Way Acquisition, Design, and Construction of Channel Conveyance Improvements on Fondren Diversion Channel	1 & 4	$ 30,500,000	$ -	$ -	$ 30,500,000	2nd Quartile	This Bond ID provides funding for any of the various project lifecycle stages associated with construction of a Fondren Diversion Channel.

ATTACHMENT 1 – BOND TABLE CONT.

WATERSHED	TYPE	BOND ID	UNIT ID	TITLE	PRECINCT	* ESTIMATED 2018 BOND FUNDS (BF)	** ESTIMATED PARTNER FUNDS (PF)	***ESTIMATED DISTRICT FUNDS (DF)	TOTAL ESTIMATE (BF+PF+DF)	2022 Prioritization Framework Score	DESCRIPTION
Buffalo Bayou	Community Input	CI-009	W190-00-00	Partnership Project with Fort Bend County on Right-of-Way Acquisition, Design, and Construction of General Drainage Improvements along Clodine Ditch	4	$ -	$ -	$ -	$ -	3rd Quartile	This Bond ID provided funding for various project lifecycle stages for a partnership project with Fort Bend County for general drainage improvements along Buffalo Bayou tributary W190-00-00, also known as Clodine Ditch.
Buffalo Bayou	Community Input	CI-016	W100-00-00	Investigations of Bridges, Potential Channel Bypasses and other Alternatives along Buffalo Bayou	Countywide	$ *371,420*	$ -	$ -	**$ 371,420**	Complete	This Bond ID provided funding for an investigation of flood risk reduction potential of raising bridges along Buffalo Bayou between Congress Avenue and State Highway 6; building high flow bypasses at bayou meanders between Shepherd Drive and the Sam Houston Tollway; widening Buffalo Bayou between the Sam Houston Tollway and State Highway 6.
Buffalo Bayou	Community Input	CI-017	W100-00-00	Phased Implementation of Additional Storage and Conveyance Improvements per Recommendations of the W100-Buffalo Bayou Study	Countywide	$ *30,000,000*	$ -	$ -	**$ 30,000,000**	4th Quartile	This Bond ID provides funding for any of the various project lifecycle stages associated with constructing stormwater detention basins near Buffalo Bayou to reduce flood risks.
Buffalo Bayou	Community Input	CI-018	W140-00-00	Rehabilitation of W140-00-00 to Restore Channel Conveyance Capacity	4	$ *2,000,000*	$ -	$ -	**$ 2,000,000**	4th Quartile	This Bond ID provides funding for major maintenance activities to restore channel conveyance capacity and replace channel lining failures along Buffalo Bayou tributary W140-00-00, also known as Spring Branch.
Buffalo Bayou	Community Input	CI-024	W500-00-00	Investigation of Effectiveness of Micro-Detention in the Buffalo Bayou Watershed	Countywide	$ *200,000*	$ -	$ -	**$ 200,000**	3rd Quartile	This Bond ID provides funding for an investigation of additional small stormwater detention basins in the Buffalo Bayou Watershed.
Buffalo Bayou	Local	F-58	W100-00-00	Construction of Linear Detention on Buffalo Bayou	4	$ *10,000,000*	$ -	$ -	**$ 10,000,000**	3rd Quartile	This Bond ID provides funding for any of various project lifecycle stages for linear detention along Buffalo Bayou between the Sam Houston Tollway and State Highway 6.
Buffalo Bayou	Local	F-59	W140-00-00	Spring Branch Creek Stabilization	4	$ -	$ -	$ -	$ -	Complete	This Bond ID provided funding for maintenance activities to repair erosion and stabilize the slope of Buffalo Bayou tributary W140-00-00, also known as Spring Branch.
Buffalo Bayou	Local	F-79	W157-00-00	Planning, Right-Of-Way Acquisition, Design and Construction Along W157-00-00	4	$ *10,000,000*	$ -	$ -	**$ 10,000,000**	3rd Quartile	This Bond ID provides funding for any of the various project lifecycle stages for projects to reduce flood risks for Buffalo Bayou tributary W157-00-00.
Buffalo Bayou	Local	F-80	W141-00-00	Planning, Right-Of-Way Acquisition, Design and Construction Along Soldiers Creek	4	$ *10,000,000*	$ -	$ -	**$ 10,000,000**	4th Quartile	This Bond ID provides funding for any of the various project lifecycle stages for projects to reduce flood risks for Buffalo Bayou tributary W141-00-00, also known as Soldiers Creek.
Buffalo Bayou	Local	F-81	W151-00-00	Planning, Right-Of-Way Acquisition, Design and Construction Along W151-00-00 and W153-00-00	3	$ *20,000,000*	$ -	$ -	**$ 20,000,000**	2nd Quartile	This Bond ID provides funding for any of the various project lifecycle stages for projects to reduce flood risks for Buffalo Bayou tributaries W151-00-00 and W153-00-00. This project will be coordinated with the City of Houston.
Buffalo Bayou	Local	F-82	W100-00-00	Demolition of 1119 Commerce Street and Slope Stabilization Along Buffalo Bayou	2	$ *4,604,930*	$ -	$ *307,371*	**$ 4,912,301**	Complete	This Bond ID provided funding for the acquisition and demolition of property along Buffalo Bayou near downtown Houston for stabilization of the channel and adjacent public streets.
Carpenters Bayou	Local	F-124	N100-00-00	Investigations of General Drainage Improvements along Carpenters Bayou	1, 2 & 3	$ *498,933*	$ -	$ -	**$ 498,933**	Complete	This Bond ID provided funding for a watershed planning study that identified three projects that, if implemented in the future, could reduce the risk of flooding for more than 300 structures in an Atlas 14 1% (100-year) rainfall event.
Cedar Bayou	Local	F-123	Q100-00-00	Bond implementation Management (BIM) of the Right-of-Way Acquisition, Design and Construction in Cedar Bayou Watershed	2 & 3	$ *9,200,000*	$ -	$ -	**$ 9,200,000**	N/A	This Bond ID provides funding for administrative costs of the Bond Implementation Management (BIM) program for the Cedar Bayou Flood Risk Management Plan, which could reduce the risk of flooding along Halls Bayou for more than 500 structures, reduce the size of the floodplain by more than 13,000 acres, and reduce the frequency and duration of flooding of more than 40 miles of roadway in an Atlas 14 1% (100-year) rainfall event. Bond implementation Management of Cedar Bayou Watershed, which is not fully funded, could reduce: the risk of flooding in the Cedar Bayou watershed for more than 500 structures, the size of the floodplain for more than 13,000 acres and the frequency and duration of flooding for more than 40 miles of roadways in an Atlas 14 1% (100-year) rainfall event.
Cedar Bayou	Local	F-41	Q122-00-00	Right-of-Way Acquisition, Design and Construction of Channel Conveyance Improvements along Clawson Ditch Q122-00-00 and Tributaries	3	$ *19,000,000*	$ -	$ -	**$ 19,000,000**	2nd Quartile	This Bond ID provides funding for any of various project lifecycle stages to construct projects near Cedar Bayou tributary Q122-00-00, also known as Clawson Ditch.
Cedar Bayou	Local	F-42	Q114-00-00	Right-of-Way Acquisition, Design and Construction of Channel Conveyance Improvements along Magee Gully	2 & 3	$ *33,000,000*	$ -	$ -	**$ 33,000,000**	4th Quartile	This Bond ID provides funding for any of various project lifecycle stages to construct projects near Cedar Bayou tributary Q114-00-00, also known as Magee Gully.
Cedar Bayou	Local	F-43	Q128-00-00	Right-of-Way Acquisition, Design and Construction of Channel Conveyance Improvements along Adlong Ditch	3	$ *20,000,000*	$ -	$ -	**$ 20,000,000**	3rd Quartile	This Bond ID provides funding for any of various project lifecycle stages to construct projects near Cedar Bayou tributary Q128-00-00, also known as Adlong Ditch.

ATTACHMENT 1 – BOND TABLE CONT.

WATERSHED	TYPE	BOND ID	UNIT ID	TITLE	PRECINCT	* ESTIMATED 2018 BOND FUNDS (BF)	** ESTIMATED PARTNER FUNDS (PF)	***ESTIMATED DISTRICT FUNDS (DF)	TOTAL ESTIMATE (BF+PF+DF)	2022 Prioritization Framework Score	DESCRIPTION
Cedar Bayou	Local	F-44	Q130-00-00	Right-of-Way Acquisition, Design and Construction of Channel Conveyance Improvements along Q130-00-00	3	$ 18,000,000	$ -	$ -	**$ 18,000,000**	2nd Quartile	This Bond ID provides funding for any of various project lifecycle stages to construct projects near Cedar Bayou tributary Q130-00-00.
Cedar Bayou	Local	F-45	Q134-00-00	Planning, Right-Of-Way Acquisition, Design and Construction of Channel Conveyance Improvements on Q134-00-00 and Q134-00-01	3	$ 22,000,000	$ -	$ -	**$ 22,000,000**	2nd Quartile	This Bond ID provides funding for any of various project lifecycle stages to construct projects near Cedar Bayou tributary Q134-00-00.
Cedar Bayou	Local	F-46	Q500-01-00	Right-Of-Way Acquisition, Design and Construction of the Q500-01 Stormwater Detention Basin	3	$ 22,900,000	$ -	$ -	**$ 22,900,000**	2nd Quartile	This Bond ID provides funding for any of various project lifecycle stages to construct a stormwater detention basin near IH-10 and SH 146.
Cedar Bayou	Local	F-47	Q500-00-00	Right-Of-Way Acquisition, Design and Construction of Stormwater Detention Basins near Coastal Water Authority canals and IH 10	3	$ 19,900,000	$ -	$ -	**$ 19,900,000**	2nd Quartile	This Bond ID provides funding for any of various project lifecycle stages to construct a stormwater detention basin near Coastal Waterway Canals and IH-10.
Cedar Bayou	Local	F-48	Q700-01-00	Design and Construction of Crosby Eastgate Environmental Mitigation Bank	3	$ 1,000,000	$ -	$ -	**$ 1,000,000**	2nd Quartile	This Bond ID provided funding to design and construct a project to restore and enhance wetlands on a 240-acre site to create credits for wetland mitigation supporting construction of other Flood Control District projects in western Harris County watersheds. Credits also may be used for projects supporting Flood Control District goals, in coordination with other Harris County public agencies and municipalities.
Cedar Bayou	Local	F-69	Q136-00-00	Right-Of-Way Acquisition, Design and Construction of channel conveyance improvements on Q136-00-00 - Part of the Upstream Cedar Bayou Project	3	$ 10,500,000	$ -	$ -	**$ 10,500,000**	3rd Quartile	This Bond ID provides funding for any of various project lifecycle stages to construct projects near Cedar Bayou tributary Q136-00-00.
Cedar Bayou	Local	F-70	Q100-00-00	Upstream Cedar Bayou Project - Right-Of-Way Acquisition, Design and Construction of Channel Conveyance Improvements and Stormwater Detention Basin Upstream of FM 1960	3	$ 74,000,000	$ -	$ -	**$ 74,000,000**	3rd Quartile	This Bond ID provides funding for any of various project lifecycle stages to construct channel conveyance improvements and associated stormwater detention basins along Cedar Bayou upstream of FM 1960 to reduce flood risks.
Clear Creek	Partnership	C-03	A100-00-00	Right-Of-Way Acquisition, Design and Construction of Corps of Engineers Clear Creek Federal Flood Risk Management Project	1 & 2	$ 70,000,000	$ 166,352,000	$ -	**$ 236,352,000**	2nd Quartile	This Bond ID provides local match funding for the Clear Creek Federal Flood Risk Management Project in partnership with the US Army Corps of Engineers.
Clear Creek	Local	C-05	A520-03-00	Construction of South Belt Stormwater Detention Basin (A520-03-00) Along Beamer Road Ditch (A120-00-00) and Christia V. Adair Stormwater Detention Basin on Clear Creek	1	$ 11,387,500	$ -	$ 7,112,500	**$ 18,500,000**	1st Quartile	This Bond ID provides funding to complete the construction of the South Belt and Lawson stormwater detention basins, A520-03-00 and A500-08-00, to complement the Clear Creek Federal Project to reduce flooding risks.
Clear Creek	Community Input	CI-001	A100-00-00	Rehabilitation of the Clear Creek channel to Restore Channel Conveyance Capacity	1 & 2	$ 25,000,000	$ -	$ -	**$ 25,000,000**	3rd Quartile	This Bond ID provides funding for various major maintenance activities to restore channel conveyance capacity.
Clear Creek	Community Input	CI-003	A214-00-00	Rehabilitation of the A214-00-00 channel to Restore Channel Conveyance Capacity	1 & 2	$ 500,000	$ 500,000	$ -	**$ 1,000,000**	3rd Quartile	This Bond ID provides funding for various major maintenance activities to restore channel conveyance capacity.
Clear Creek	Community Input	CI-013	A104-00-00	Restore Channel Conveyance Capacity on A104-00-00	2	$ 5,000,000	$ -	$ -	**$ 5,000,000**	3rd Quartile	This Bond ID provides funding for various major maintenance activities to restore channel conveyance capacity along Clear Creek tributary A104-00-00.
Clear Creek	Community Input	CI-039	A100-00-00	Partnership Project with Nassau Bay to Reduce the Risk of Flooding	2	$ 93,324	$ -	$ -	**$ 93,324**	Complete	This Bond ID provided 75% of funding for a partnership project with the City of Nassau Bay to minimize flooding risks in the city. The City of Nassau Bay replaced 10 existing stormwater pumps and will be responsible for ongoing maintenance and operation of the pumps after installation.
Clear Creek	Community Input	CI-62	A500-00-00	Construction of the Friendswood Detention Basin Near FM 528 in Friendswood	1 & 2	$ 5,000,000	$ 15,000,000	$ -	**$ 20,000,000**	3rd Quartile	This Bond ID provides funding for any of the various project lifecycle stages associated with constructing a stormwater detention basin located near FM 528 and FM 1959 in Friendswood to reduce flood risks.
Clear Creek	Local	F-01	A135-00-00	Right-Of-Way Acquisition, Design, and Construction of Channel Conveyance Improvements on A135-00-00	1	$ 2,500,000	$ -	$ -	**$ 2,500,000**	2nd Quartile	This Bond ID provides funding for any of the various project lifecycle stages for projects to reduce flood risks for Clear Creek tributary A135-00-00.
Clear Creek	Local	F-02	A500-04-00	Right-Of-Way Acquisition, Design and Construction of Hughes Stormwater Detention Basin on Clear Creek	1 & 2	$ 6,100,000	$ -	$ -	**$ 6,100,000**	1st Quartile	This Bond ID provides funding for any of the various project lifecycle stages associated with constructing the Hughes Stormwater Detention Basin, A500-04-00, to complement the Clear Creek Federal Project to reduce flooding risks.
Clear Creek	Local	F-76	A700-01-00	Identification, Design and Construction of the A700-01 Environmental Mitigation Bank	1 & 2	$ 6,000,000	$ -	$ 700,000	**$ 6,700,000**	2nd Quartile	This Bond ID provides funding to identify, design and construct a project to restore and enhance wetlands on a nearly 330-acre site to create credits for wetlands mitigation supporting construction of other Flood Control District projects in southern and eastern Harris County watersheds. Credits also may be used for projects supporting Flood Control District goals, in coordination with other Harris County public agencies and municipalities.

ATTACHMENT 1 – BOND TABLE CONT.

WATERSHED	TYPE	BOND ID	UNIT ID	TITLE	PRECINCT	* ESTIMATED 2018 BOND FUNDS (BF)	** ESTIMATED PARTNER FUNDS (PF)	***ESTIMATED DISTRICT FUNDS (DF)	TOTAL ESTIMATE (BF+PF+DF)	2022 Prioritization Framework Score	DESCRIPTION
Cypress Creek	Community Input	CI-012	K100-00-00	Major Maintenance of Cypress Creek and Tributaries	1, 3 & 4	$ 60,000,000	$ -	$ -	**$ 60,000,000**	3rd Quartile	This Bond ID provides funding for major maintenance to restore channel conveyance capacity in the Cypress Creek watershed. Activities include right-of-way acquisition, design and construction along Cypress Creek and tributaries.
Cypress Creek	Community Input	CI-020	K500-00-00	Investigation of Potential Detention Sites Around Cypress Creek and Stuebner Airline	3 & 4	$ -	$ -	$ -	**$ -**	Complete	Investigations funded under Bond IDs CI-035, CI-36 and CI-020 were conducted together. Study conclusions were that there was merit in (A) expanding Cypress Park Stormwater Detention Basin, K500-01-00, from 530 acre-feet to 9,300 acre-feet, (B) acquiring a stormwater detention basin near Stuebner-Airline to provide 4,600 acre-feet of storage volume, and (C) acquiring property for multiple stormwater detention basins along Cypress Creek between US 249 and Hardy Toll Road to provide a total of 12,600 acre-feet of storage volume. If implemented, these projects could reduce the risk of flooding for more than 1,590 homes in an Atlas 14 1% (100-year) rainfall event.
Cypress Creek	Community Input	CI-035	K100-00-00	Update to 2003 Texas Water Development Board Cypress Creek Tributary Study and Investigate Expanding Stormwater Detention Basins in Cypress Creek Watershed	1, 3 & 4	$ 722,864	$ -	$ -	**$ 722,864**	Complete	Investigations funded under Bond IDs CI-035, CI-36 and CI-020 were conducted together. Study conclusions were that there was merit in (A) expanding Cypress Park Stormwater Detention Basin, K500-01-00, from 530 acre-feet to 9,300 acre-feet, (B) acquiring a stormwater detention basin near Stuebner-Airline to provide 4,600 acre-feet of storage volume, and (C) acquiring property for multiple stormwater detention basins along Cypress Creek between US 249 and Hardy Toll Road to provide a total of 12,600 acre-feet of storage volume. If implemented, these projects could reduce the risk of flooding for more than 1,590 homes in an Atlas 14 1% (100-year) rainfall event.
Cypress Creek	Community Input	CI-36	K500-01-00	Investigation of Additional Detention Volume at K500-01-00 Stormwater Detention Basin	4	$ -	$ -	$ -	**$ -**	Complete	Investigations funded under Bond IDs CI-035, CI-36 and CI-020 were conducted together. Study conclusions were that there was merit in (A) expanding Cypress Park Stormwater Detention Basin, K500-01-00, from 530 acre-feet to 9,300 acre-feet, (B) acquiring a stormwater detention basin near Stuebner-Airline to provide 4,600 acre-feet of storage volume, and (C) acquiring property for multiple stormwater detention basins along Cypress Creek between US 249 and Hardy Toll Road to provide a total of 12,600 acre-feet of storage volume. If implemented, these projects could reduce the risk of flooding for more than 1,590 homes in an Atlas 14 1% (100-year) rainfall event.
Cypress Creek	Local	F-112	U700-00-00	Right-Of-Way Acquisition, Design, and Construction of Wetland Mitigation Bank	3 & 4	$ 20,000,000	$ -	$ -	**$ 20,000,000**	2nd Quartile	This Bond ID provides funding for right-of-way acquisition, design and construction of a project to restore and enhance wetlands on a 135-acre site to create credits for wetland mitigation supporting construction of Flood Control District projects in western Harris County watersheds. Credits also may be used for projects supporting Flood Control District goals, in coordination with other Harris County public agencies and municipalities.
Cypress Creek	Local	F-20	K100-00-00	Cypress Creek Right-of-Way Acquisition and Floodplain Preservation	1, 3 & 4	$ 100,000,000	$ -	$ -	**$ 100,000,000**	2nd Quartile	This Bond ID provides funding for right-of-way acquisition in the Cypress Creek watershed for flood risk reduction projects and floodplain preservation.
Cypress Creek	Local	F-21	K129-00-00	Restore Channel Conveyance Capacity on K129-00-00	3	$ -	$ -	$ 3,972,143	**$ 3,972,143**	Complete	A major maintenance project on Cypress Creek tributary K129-00-00 was successfully completed below budget utilizing Flood Control District capital funding.
Cypress Creek	Local	F-22	K140-00-00	Restore Channel Conveyance Capacity Along Pillot Gully	3	$ 3,597,837	$ -	$ 129,388	**$ 3,727,225**	Complete	This Bond ID provided funding for major maintenance to restore stormwater conveyance capacity near Cypress Creek tributary K140-00-00, also known as Pillot Gully.
Cypress Creek	Local	F-23	K163-00-00	Construction of Channel Conveyance Improvements Along K163-00-00	3	$ 7,274,608	$ -	$ -	**$ 7,274,608**	Complete	This Bond ID provided funding for stormwater conveyance improvements along Cypress Creek tributary K163-00-00 that provide joint benefits of facilitating local drainage improvements and reducing the risk of flooding near the channel.
Cypress Creek	Local	F-24	K700-01-00	Identification, Design and Construction of the K700-01 Environmental Mitigation Bank	4	$ 9,300,000	$ -	$ -	**$ 9,300,000**	2nd Quartile	This Bond ID provided funding to identify, design and construct a project to restore and enhance wetlands on a 152-acre site to create credits for wetland mitigation supporting construction of other Flood Control District projects in western Harris County watersheds. Credits also may be used for projects supporting Flood Control District goals, in coordination with other Harris County public agencies and municipalities.

ATTACHMENT 1 – BOND TABLE CONT.

WATERSHED	TYPE	BOND ID	UNIT ID	TITLE	PRECINCT	* ESTIMATED 2018 BOND FUNDS (BF)	** ESTIMATED PARTNER FUNDS (PF)	***ESTIMATED DISTRICT FUNDS (DF)	TOTAL ESTIMATE (BF+PF+DF)	2022 Prioritization Framework Score	DESCRIPTION
Cypress Creek	Partnership	F-88	K500-00-00	ROW Acquisition, Design and Construction of Stormwater Detention Basins in Large Buyout Areas	1, 3, & 4	$ 25,000,000	$ 8,250,000	$ -	$ **33,250,000**	2nd Quartile	This Bond ID provides funding for projects to design and construct stormwater detention basins on the main stem of Cypress Creek, and evaluate the potential benefits of additional stormwater detention in large buyout areas to help reduce flood risks in the Cypress Creek watershed. These basins would provide a portion of the 26,500 acre-feet of detention recommended in the Cypress Creek Watershed Implementation Plan, approved by Harris County Commissioners Court on January 25, 2022.
Galveston Bay	Partnership	C-57	F216-00-00	Right-of-Way Acquisition, Design and Construction of General Drainage Improvements Along F216-00-00	2	$ 8,000,000	$ 2,000,000	$ -	$ **10,000,000**	1st Quartile	This Bond ID provides funding for any of the various project lifecycle stages of a project to improve drainage near Galveston Bay tributary F216-00-00, also known as Little Cedar Bayou.
Galveston Bay	Partnership	C-58	F101-06-00	Right-of-Way Acquisition, Design and Construction of General Drainage Improvements Along F101-06-00	2	$ 16,000,000	$ 4,000,000	$ -	$ **20,000,000**	3rd Quartile	This Bond ID provides funding for various project lifecycle stages of a project to improve drainage near Galveston Bay tributary F101-06-00, which could reduce the risk of flooding for more than 40 structures in an Atlas 14 1% (100-year) rainfall event.
Galveston Bay	Partnership	F-101	F100-00-00	Investigations of General Drainage Improvements in Galveston Bay Watershed	2	$ -	$ 450,000	$ -	$ **450,000**	Complete	This Bond ID provided funding for a watershed planning study that identified two projects that, if implemented in the future, could reduce the risk of flooding for more than 80 structures, could reduce the size of the floodplain by more than 80 acres and could reduce the duration and frequency of flooding for more than five miles of roadway in an Atlas 14 1% (100-year) rainfall event.
Galveston Bay	Local	F-98	F212-00-00	Right-of-Way Acquisition, Design and Construction of General Drainage Improvements in Galveston Bay Watershed	2	$ 4,000,000	$ -	$ -	$ **4,000,000**	2nd Quartile	This Bond ID provides funding for any of the various project lifecycle stages associated with projects identified by the Galveston Bay Watershed Planning Study, Bond ID F-101. The recommended project on Galveston Bay tributary F212-00-00 could reduce the risk of flooding for more than 50 structures, could reduce the size of the floodplain by more than 70 acres and could reduce the frequency and duration of flooding for more than four miles of roadway in an Atlas 14 1% (100-year) rainfall event.
Goose Creek	Local	F-109	O200-00-00	Right-Of-Way Acquisition, Design, and Construction of General Drainage Improvements on Spring Gully	2	$ 5,000,000	$ -	$ -	$ **5,000,000**	3rd Quartile	This Bond ID provides funding for any of the various project lifecycle stages for channel conveyance improvements and stormwater detention storage near Spring Gully.
Goose Creek	Local	F-120	O100-00-00	Right-Of-Way Acquisition, Design, and Construction of General Drainage Improvements in Goose Creek watershed	2 & 3	$ 25,000,000	$ -	$ -	$ **25,000,000**	2nd Quartile	This Bond ID provides funding for any of the various project lifecycle stages for channel conveyance improvements and stormwater detention storage near Goose Creek.
Goose Creek	Partnership	F-121	O100-00-00	Investigations of General Drainage Improvements in Goose Creek watershed	2 & 3	$ -	$ 550,000	$ -	$ **550,000**	Complete	This Bond ID provided funding for a watershed planning study that identified a project with three phases that, if implemented in the future, could reduce the risk of flooding for more than 150 structures, more than 150 acres of floodplain and could reduce the duration and frequency of flooding for up to three and a half miles of roadway in an Atlas 14 1% (100-year) rainfall event.
Goose Creek	Partnership	F-39	O200-00-00	Investigations of General Drainage Improvements on Spring Gully	2 & 3	$ -	$ 450,000	$ 348,310	$ **798,310**	Complete	This Bond ID provided funding for a watershed planning study that identified two projects that, if implemented in the future, could reduce the risk of flooding for more than 90 structures, more than 40 acres of floodplain and could reduce the duration and frequency of flooding for up to half a mile of roadway in an Atlas 14 1% (100-year) rainfall event.
Greens Bayou	Partnership	C-20	P100-00-00	Mid-Reach Greens Bayou Project - Design and Construction of Channel Conveyance Improvements along Greens Bayou	1 & 2	$ 4,293,260	$ 15,706,740	$ 200,049	$ **20,200,049**	1st Quartile	This Bond ID provides funding for any of various project lifecycle stages to design and construct channel conveyance improvements along the Mid-Reach of Greens Bayou from Veterans Memorial Drive downstream to JFK Boulevard.
Greens Bayou	Partnership	C-31	P133-00-00	Design and Construction of the Smith Road Channel Diversion	3	$ 5,342,198	$ 6,657,802	$ -	$ **12,000,000**	2nd Quartile	This Bond ID provides funding for any of the various project lifecycle stages to design and construct a Smith Road Channel Diversion near Greens Bayou tributary P133-00-00.
Greens Bayou	Local	C-32	P500-02-00	Design and Construction of the Cutten Road Stormwater Detention Basin Improvements	1	$ 16,181,425	$ -	$ -	$ **16,181,425**	2nd Quartile	This Bond ID provides funding for any of the various project lifecycle stages to design and construct improvements at the Cutten Stormwater Detention Basin, P500-02-00.
Greens Bayou	Local	C-33	P500-04-00	Design and Construction of Aldine-Westfield Stormwater Detention Basin Improvements	1	$ 20,150,192	$ -	$ -	$ **20,150,192**	1st Quartile	This Bond ID provides funding for any of the various project lifecycle stages to design and construct improvements at the Aldine-Westfield Stormwater Detention Basin, P500-04-00.
Greens Bayou	Partnership	C-34	P500-06-00	Design and Construction of Lauder Stormwater Detention Basin Improvements	2	$ 17,858,714	$ 26,457,326	$ 376,475	$ **44,692,515**	1st Quartile	This Bond ID provides funding for any of the various project lifecycle stages to design and construct improvements at the Lauder Stormwater Detention Basin, P500-06-00.

ATTACHMENT 1 – BOND TABLE CONT.

WATERSHED	TYPE	BOND ID	UNIT ID	TITLE	PRECINCT	* ESTIMATED 2018 BOND FUNDS (BF)	** ESTIMATED PARTNER FUNDS (PF)	***ESTIMATED DISTRICT FUNDS (DF)	TOTAL ESTIMATE (BF+PF+DF)	2022 Prioritization Framework Score	DESCRIPTION
Greens Bayou	Local	C-43	P138-01-01	Planning, Right-of-Way Acquisition, Design and Construction of Channel Conveyance Improvements along P138-01-01	2	$ 5,000,000	$ -	$ -	**$ 5,000,000**	1st Quartile	This Bond ID provides funding for any of the various project lifecycle stages for channel conveyance improvements near Greens Bayou tributary P138-01-01.
Greens Bayou	Community Input	CI-022	P130-05-01	ROW, Design, and Construction of Stormwater Detention Basin Near P130-05	1 & 3	$ 3,000,000	$ -	$ 700,000	**$ 3,700,000**	3rd Quartile	This Bond ID provides funding for any of the various project lifecycle stages for a stormwater detention basin near Greens Bayou tributary P130-05-00, also known as Reinhardt Bayou.
Greens Bayou	Local	F-40	P500-01-00	Repairs and Enhancements to the Lower Greens Bayou Regional Detention Embankment and Control Structure	1	$ 2,412,246	$ -	$ -	**$ 2,412,246**	Complete	This Bond ID provided funding for repairs and enhancements to the embankment of the Lower Greens Bayou Stormwater Detention Basin, P500-01-00.
Halls Bayou	Partnership	C-01	P518-26-00	Construction of P518-26 Stormwater Detention Basin	2	$ 600,000	$ 21,324,107	$ 2,264,074	**$ 24,188,182**	1st Quartile	This Bond ID provides funding for any of the various project lifecycle stages for stormwater detention storage near Halls Bayou tributary P118-26-00.
Halls Bayou	Partnership	C-23	P118-08-00	Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-08-00	1	$ 5,500,000	$ 20,500,000	$ -	**$ 26,000,000**	2nd Quartile	This Bond ID provides funding for any of the various project lifecycle stages for channel conveyance improvements near Halls Bayou tributary P118-08-00.
Halls Bayou	Partnership	C-24	P118-09-00	Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-09-00	1	$ 2,200,000	$ 9,800,000	$ -	**$ 12,000,000**	2nd Quartile	This Bond ID provides funding for any of the various project lifecycle stages for channel conveyance improvements near Halls Bayou tributary P118-09-00.
Halls Bayou	Partnership	C-25	P118-21-00	Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-21-00	2	$ 10,253,184	$ 10,782,866	$ -	**$ 21,036,050**	3rd Quartile	This Bond ID provides funding for any of the various project lifecycle stages for channel conveyance improvements near Halls Bayou tributary P118-21-00.
Halls Bayou	Partnership	C-26	P118-23-00	Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-23-00 and P118-23-02	2	$ 2,800,000	$ 32,200,000	$ -	**$ 35,000,000**	2nd Quartile	This Bond ID provides funding for any of the various project lifecycle stages for channel conveyance improvements near Halls Bayou tributary P118-23-00.
Halls Bayou	Partnership	C-28	P118-25-00	Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-25-00 & P118-25-01	2	$ 17,350,000	$ 10,650,000	$ -	**$ 28,000,000**	1st Quartile	This Bond ID provides funding for any of the various project lifecycle stages for channel conveyance improvements near Halls Bayou tributary P118-25-00.
Halls Bayou	Partnership	C-30	P118-27-00	Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-27-00	2	$ 1,200,000	$ 14,400,000	$ -	**$ 15,600,000**	1st Quartile	This Bond ID provides funding for any of the various project lifecycle stages for channel conveyance improvements near Halls Bayou tributary P118-27-00.
Halls Bayou	Partnership	C-35	P518-10-00	Design and Construction of Stormwater Detention Basin and Associated Channel Improvements	2	$ 800,000	$ 6,384,960	$ 750,000	**$ 7,934,960**	1st Quartile	This Bond ID provides funding for any of the various project lifecycle stages for channel conveyance improvements and stormwater detention storage near Halls Bayou tributary P118-10-00.
Halls Bayou	Partnership	C-41	P118-00-00	Planning, Right-Of-Way, Design and Construction of Halls Bayou Flood Risk Management Project	1, 2, & 4	$ 11,460,000	$ 143,500,000	$ -	**$ 154,960,000**	2nd Quartile	This Bond ID provides funding for any of the various project lifecycle stages for the implementation of the Halls Bayou Flood Risk Management Plan.
Halls Bayou	Community Input	CI-006	P118-00-00	Design and Construction of a Stormwater Detention Basin in Brock Park	1	$ 5,000,000	$ 5,000,000	$ -	**$ 10,000,000**	2nd Quartile	This Bond ID provides funding for any of the various project lifecycle stages for a stormwater detention basin at the City of Houston's Brock Park. This project will be coordinated with the City of Houston.
Halls Bayou	Local	F-122	P118-00-00	Bond implementation Management (BIM) of the Right-of-Way Acquisition, Design and Construction in Halls Bayou Watershed	1, 2, & 3	$ 48,040,000	$ -	$ -	**$ 48,040,000**	N/A	This Bond ID provides funding for administrative costs of the Bond Implementation Management program for the Halls Bayou Flood Risk Management Plan, which could reduce the risk of flooding along Halls Bayou for more than 2,400 structures, reduce the size of the floodplain by more than 1,000 acres, and reduce the frequency and duration of flooding for as many as 22 miles of roadway in a pre-Atlas 14 0.2% (500-year) rainfall event.
Hunting Bayou	Partnership	C-18	H100-00-00	Design and Construction of Corps of Engineers Hunting Bayou, Section 211(f) Project	1	$ -	$ 65,000,000	$ -	**$ 65,000,000**	1st Quartile	This Bond ID provides local match funding for design and construction of the Hunting Bayou Federal Flood Risk Management Project, known as Project Hunting, in partnership with the US Army Corps of Engineers.
Hunting Bayou	Community Input	CI-031	H103-00-00	District Cost Share of Study with the City of Houston on Wallisville Outfall	1 & 2	$ 500,000	$ -	$ 135,531	**$ 635,531**	Complete	This Bond ID provided funding for an investigation of flooding problems near Hunting Bayou tributary H103-00-00, also known as Wallisville Outfall, to identify projects to reduce flood risk and provide mitigation for the City of Houston's local drainage improvements. Implementation of the two recommended projects would be funded using Bond ID F-17 and would need to be coordinated with the City of Houston.
Hunting Bayou	Community Input	CI-59	H102-00-00	Planning, Right-Of-Way, Design and Construction of a Diversion Channel from H102-00-00 to H100-00-00 through Galena Park	1 & 2	$ 10,000,000	$ -	$ -	**$ 10,000,000**	3rd Quartile	This Bond ID provides funding for various project lifecycle stages in connection with a potential future diversion channel from Hunting Bayou tributary H102-00-00 to Hunting Bayou near the City of Galena Park.

ATTACHMENT 1 – BOND TABLE CONT.

WATERSHED	TYPE	BOND ID	UNIT ID	TITLE	PRECINCT	* ESTIMATED 2018 BOND FUNDS (BF)	** ESTIMATED PARTNER FUNDS (PF)	***ESTIMATED DISTRICT FUNDS (DF)	TOTAL ESTIMATE (BF+PF+DF)	2022 Prioritization Framework Score	DESCRIPTION
Hunting Bayou	Local	F-17	H103-00-00	Right-Of-Way Acquisition, Design and Construction of Wallisville Outfall	1 & 2	$ *10,000,000*	$ -	$ -	**$ 10,000,000**	2nd Quartile	This Bond ID provides funding for various project lifecycle stages to construct projects to reduce flood risks near Hunting Bayou tributary H103-00-00, also known as Wallisville Outfall.
Jackson Bayou	Local	F-107	R100-00-00	Right-of-Way Acquisition, Design and Construction of General Drainage Improvements in Jackson Bayou Watershed	3	$ *10,000,000*	$ -	$ -	**$ 10,000,000**	3rd Quartile	This Bond ID provides funding for any of various project lifecycle stages to construct projects to reduce flood risks in the Jackson Bayou watershed.
Jackson Bayou	Partnership	F-73	R100-00-00	Investigations of General Drainage Improvements in Jackson Bayou Watershed	3	$ -	$ *450,000*	$ -	**$ 450,000**	Complete	This Bond ID provided funding for a watershed planning study that identified five projects that, if implemented in the future, could reduce the risk of flooding for as many as 100 structures, more than 30 acres of floodplain and could reduce the duration and frequency of flooding for more than one mile of roadway in an Atlas 14 1% (100-year) rainfall event.
Little Cypress Creek	Partnership	F-26	L100-00-00	Management, Right-of-Way Acquisition, Design and Construction of the Little Cypress Creek Frontier Program	3 & 4	$ *32,075,000*	$ *19,303,586*	$ -	**$ 51,378,586**	1st Quartile	This Bond ID provides funding for management, right-of-way acquisition and other project lifecycle stages in connection with the Little Cypress Creek Frontier Program, which could reduce the risk of flooding in the Little Cypress Creek watershed for more than 3,200 structures and reduce the floodplain by more than 5,800 acres in an Atlas 14 1% (100-year) rainfall event. Program activities include stormwater detention construction, sediment control, vegetation management and other flood risk management projects.
Little Cypress Creek	Partnership	F-27	L500-01-00	Design and Construction of Zube Park Stormwater Detention Basin	4	$ *9,250,000*	$ *1,532,838*	$ *2,500,000*	**$ 13,282,838**	1st Quartile	This Bond ID provides funding for various project lifecycle stages to construct the Zube Stormwater Detention Basin, L500-01-00, as part of the Little Cypress Creek Frontier Program to reduce the risk of flooding in the Little Cypress Creek watershed.
Little Cypress Creek	Local	F-28	L500-02-00	Right-Of-Way Acquisition, Design, and Construction of Kluge Stormwater Detention Basin	3	$ *11,000,000*	$ -	$ -	**$ 11,000,000**	1st Quartile	This Bond ID provides funding for various project lifecycle stages to construct the Kluge Stormwater Detention Basin, L500-02-00, as part of the Little Cypress Creek Frontier Program to reduce the risk of flooding in the Little Cypress Creek watershed.
Little Cypress Creek	Local	F-29	L500-06-00	Right-Of-Way Acquisition, Design, and Construction of Mueschke East Stormwater Detention Basin	3 & 4	$ *15,900,000*	$ -	$ -	**$ 15,900,000**	2nd Quartile	This Bond ID provides funding for various project lifecycle stages to construct the Mueschke East Stormwater Detention Basin, L500-06-00, as part of the Little Cypress Creek Frontier Program to reduce the risk of flooding in the Little Cypress Creek watershed.
Little Cypress Creek	Local	F-30	L500-09-00	Right-Of-Way Acquisition, Design, and Construction of Schiel Stormwater Detention Basin	3 & 4	$ *16,000,000*	$ -	$ -	**$ 16,000,000**	2nd Quartile	This Bond ID provides funding for various project lifecycle stages to construct the Schiel Stormwater Detention Basin, L500-09-00, as part of the Little Cypress Creek Frontier Program to reduce the risk of flooding in the Little Cypress Creek watershed.
Little Cypress Creek	Local	F-31	L500-10-00	Construction of Mueschke West Stormwater Detention Basin Improvements	3 & 4	$ *10,600,000*	$ -	$ -	**$ 10,600,000**	2nd Quartile	This Bond ID provides funding for various project lifecycle stages to construct the Mueschke West Stormwater Detention Basin, L500-10-00, as part of the Little Cypress Creek Frontier Program to reduce the risk of flooding in the Little Cypress Creek watershed.
Little Cypress Creek	Local	F-32	L500-11-00	Construction of Hegar Stormwater Detention Basin Improvements	4	$ *11,800,000*	$ -	$ -	**$ 11,800,000**	2nd Quartile	This Bond ID provides funding for various project lifecycle stages to construct the Hegar Stormwater Detention Basin, L500-11-00, as part of the Little Cypress Creek Frontier Program to reduce the risk of flooding in the Little Cypress Creek watershed.
Little Cypress Creek	Local	F-33	L512-01-00	Construction of Kleb Woods Stormwater Detention Basin Improvements	4	$ *3,700,000*	$ -	$ *9,000*	**$ 3,709,000**	3rd Quartile	This Bond ID provides funding for various project lifecycle stages to construct the Kleb Woods Stormwater Detention Basin, L512-01-00, as part of the Little Cypress Creek Frontier Program to reduce the risk of flooding in the Little Cypress Creek watershed.
Little Cypress Creek	Local	F-34	L512-03-00	ROW, Design, and Construction of Mason Stormwater Detention Basin in Little Cypress Creek watershed	4	$ *13,000,000*	$ -	$ *100,000*	**$ 13,100,000**	2nd Quartile	This Bond ID provides funding for various project lifecycle stages to construct the Mason Stormwater Detention Basin, L512-03-00, as part of the Little Cypress Creek Frontier Program to reduce the risk of flooding in the Little Cypress Creek watershed.
Little Cypress Creek	Local	F-35	L514-01-00	Construction of Bauer-Hockley Stormwater Detention Basin Improvements	4	$ *4,036,799*	$ -	$ *690,619*	**$ 4,727,418**	Complete	This Bond ID provided funding for various project lifecycle stages to construct the Bauer-Hockley Stormwater Detention Basin, L514-01-00, as part of the Little Cypress Creek Frontier Program to reduce the risk of flooding in the Little Cypress Creek watershed.
Little Cypress Creek	Local	F-89	L500-00-00	Design and Construction of Additional Volume in Little Cypress Creek Stormwater Detention Basins	3 & 4	$ *16,750,000*	$ -	$ -	**$ 16,750,000**	Pending	This Bond ID provides funding for additional volume in stormwater detention basins as part of the Little Cypress Creek Frontier Program to reduce the risk of flooding in the Little Cypress Creek watershed.
Luce Bayou	Local	F-108	S100-00-00	Right-of-Way Acquisition, Design and Construction of General Drainage Improvements in Luce Bayou Watershed	3	$ *10,000,000*	$ -	$ -	**$ 10,000,000**	3rd Quartile	This Bond ID provides funding for any of various project lifecycle stages to construct projects to reduce flood risks in the Luce Bayou watershed.

ATTACHMENT 1 – BOND TABLE CONT.

WATERSHED	TYPE	BOND ID	UNIT ID	TITLE	PRECINCT	* ESTIMATED 2018 BOND FUNDS (BF)	** ESTIMATED PARTNER FUNDS (PF)	***ESTIMATED DISTRICT FUNDS (DF)	TOTAL ESTIMATE (BF+PF+DF)	2022 Prioritization Framework Score	DESCRIPTION
Luce Bayou	Local	F-110	S200-00-00	Planning, Right-Of-Way Acquisition, Design and Construction of General Drainage Improvements Near Huffman	3	$ 10,000,000	$ -	$ -	**$ 10,000,000**	3rd Quartile	This Bond ID provides funding for various project lifecycle stages to investigate flooding problems and to identify and implement potential projects to reduce flood risks in the Huffman area in the Luce Bayou watershed.
Luce Bayou	Local	F-51	S100-00-00	Luce Bayou Right-of-Way Acquisition and Floodplain Preservation	3	$ 10,000,000	$ -	$ -	**$ 10,000,000**	2nd Quartile	This Bond ID provides funding for right-of-way acquisition in the Luce Bayou watershed for flood risk reduction projects and floodplain preservation.
Luce Bayou	Partnership	F-85	S100-00-00	Investigations of General Drainage Improvements along Luce Bayou	3	$ -	$ 450,000	$ -	**$ 450,000**	Complete	This Bond ID provided funding for a watershed planning study that identified eleven projects that, if implemented in the future, could reduce the risk of flooding for as many as 180 structures, more than 40 acres of floodplain and could reduce the duration and frequency of flooding for more than ten miles of roadway in an Atlas 14 1% (100-year) rainfall event.
San Jacinto River	Partnership	C-17	G103-00-00	San Jacinto River Watershed Study	Countywide	$ 245,606	$ 2,505,092	$ 27,282	**$ 2,777,981**	Complete	This Bond ID provided funding for a drainage analysis of the entire San Jacinto River watershed (both within and beyond the Harris County boundary) to quantify flooding causes and identify projects to reduce flood risks.
San Jacinto River	Partnership	C-50	G103-00-00	Funding for Future Partnership Projects Based on Results of Study - for Right-of-Way Acquisition, Design, and Construction of General Drainage Improvements in San Jacinto River Watershed Study	1, 2, & 3	$ 18,750,000	$ 56,250,000	$ -	**$ 75,000,000**	3rd Quartile	This Bond ID provides funding for various project lifecycle stages for general drainage improvements for partnership projects identified by the San Jacinto River Regional Watershed Master Drainage Plan.
San Jacinto River	Community Input	CI-019	G103-00-00	Investigations of Potential Detention Sites Around Glendale Dredge Site in Partnership with the City of Houston	1, 2, & 3	$ 50,000	$ 50,000	$ -	**$ 100,000**	3rd Quartile	This Bond ID provides funding for an analysis of stormwater detention basin site options around the Glendale Dredge site in the San Jacinto River watershed. The analysis will be coordinated with the City of Houston.
San Jacinto River	Community Input	CI-028	G103-00-00	Design and Construction of Additional Gates on Lake Houston in Partnership with the City of Houston	1, 2, & 3	$ 20,000,000	$ 35,378,215	$ -	**$ 55,378,215**	Pending	This Bond ID provides funding support for a 50/50 local partnership with the City of Houston, after state and federal shares have been applied, on the design and construction of additional gates at Lake Houston.
San Jacinto River	Community Input	CI-60	G112-00-00	Planning, Right-Of-Way, Design and Construction of Conveyance Improvements along Panther Creek	1 & 2	$ 10,000,000	$ -	$ -	**$ 10,000,000**	3rd Quartile	This Bond ID provides funding for various project lifecycle stages to investigate flooding problems and to identify and implement potential projects to reduce flood risks near San Jacinto River tributary G112-00-00, also known as Panther Creek.
San Jacinto River	Community Input	CI-61	G103-00-00	East Fork, West Fork and Lake Houston Dredging	1, 2, & 3	$ 10,000,000	$ 40,000,000	$ -	**$ 50,000,000**	4th Quartile	This Bond ID provides partnership funding to the City of Houston for its project to dredge areas of the East and West Forks of the San Jacinto River and Lake Houston.
San Jacinto River	Local	F-111	G103-00-00	Planning, Right-Of-Way Acquisition, Design and Construction of General Drainage Improvements East of Lake Houston	1, 2 & 3	$ 10,000,000	$ -	$ -	**$ 10,000,000**	2nd Quartile	This Bond ID provides funding for various project lifecycle stages to investigate flooding problems and to identify and implement potential projects to reduce flood risks east of Lake Houston in the San Jacinto River watershed.
San Jacinto River	Local	F-14	G103-00-00	Planning, Right-Of-Way Acquisition, Design and Construction of General Drainage Improvements Near Kingwood	2, 3 & 4	$ 10,000,000	$ -	$ -	**$ 10,000,000**	2nd Quartile	This Bond ID provides funding for various project lifecycle stages to investigate flooding problems and to identify and implement potential projects to reduce flood risks in the Kingwood area in the San Jacinto River watershed.
San Jacinto River	Local	F-15	G103-00-00	Planning, Right-Of-Way Acquisition, Design and Construction of General Drainage Improvements Near Atascocita	1, 2 & 4	$ 10,000,000	$ -	$ -	**$ 10,000,000**	4th Quartile	This Bond ID provides funding for various project lifecycle stages to investigate flooding problems and to identify and implement potential projects to reduce flood risks in the Atascocita area in the San Jacinto River watershed.
Sims Bayou	Partnership	C-08	C118-00-00	Right-Of-Way Acquisition, Design, and Construction of Stormwater Detention Basin and Channel Conveyance Improvements along Salt Water Ditch	1	$ 12,500,000	$ 37,500,000	$ -	**$ 50,000,000**	1st Quartile	This Bond ID provides funding for a project to reduce the risk of flooding for structures near Sims Bayou tributary C118-00-00. The project will be coordinated with the City of Houston.
Sims Bayou	Partnership	C-09	C147-00-00	Right-Of-Way Acquisition, Design, and Construction of South Post Oak Stormwater Detention Basin and Channel Conveyance Improvements along C147-00-00	1	$ 7,542,500	$ 12,005,313	$ -	**$ 19,547,813**	1st Quartile	This Bond ID provides funding for any of the various project lifecycle stages for stormwater conveyance improvements and excavation of the South Post Oak Stormwater Basin, C547-01-00, to reduce the risk of flooding for structures near Sims Bayou tributary C147-00-00.
Sims Bayou	Local	C-10	C506-01-00	Design and Construction of South Shaver Stormwater Detention Basin	2	$ 15,000,000	$ -	$ -	**$ 15,000,000**	2nd Quartile	This Bond ID provides funding for design and construction of the South Shaver Stormwater Detention Basin, C506-01-00.
Sims Bayou	Community Input	CI-027	C106-00-00	Planning, Right-Of-Way Acquisition, Design, and Construction of Improvements for the Tributaries of C106-00-00	2	$ 2,000,000	$ -	$ -	**$ 2,000,000**	2nd Quartile	This Bond ID provides funding for a project to reduce the risk of flooding for structures near tributaries of Sims Bayou tributary C106-00-00. The project will be coordinated with the City of South Houston, who will be the lead in design & construction.

ATTACHMENT 1 – BOND TABLE CONT.

WATERSHED	TYPE	BOND ID	UNIT ID	TITLE	PRECINCT	* ESTIMATED 2018 BOND FUNDS (BF)	** ESTIMATED PARTNER FUNDS (PF)	***ESTIMATED DISTRICT FUNDS (DF)	TOTAL ESTIMATE (BF+PF+DF)	2022 Prioritization Framework Score	DESCRIPTION
Sims Bayou	Community Input	CI-029	C102-00-00	Restore Channel Conveyance Capacity Along C102-00-00	2	$ 15,000,000	$ 10,000,000	$ -	$ 25,000,000	3rd Quartile	This Bond ID provides funding for a partnership project with the City of Houston to restore conveyance near Sims Bayou tributary C102-00-00, also known as Plum Creek.
Sims Bayou	Community Input	CI-037	C146-00-00	Restore Channel Conveyance Capacity Along C146-00-00	1 & 2	$ 15,000,000	$ 15,000,000	$ -	$ 30,000,000	3rd Quartile	This Bond ID provides funding for a partnership project with the City of Houston to restore conveyance capacity near Sims Bayou tributary C146-00-00, also known as Whiteheather Ditch.
Sims Bayou	Local	F-92	C116-00-00	Planning, Right-Of-Way Acquisition, Design and Construction Along C116-00-00	2	$ 10,000,000	$ -	$ -	$ 10,000,000	2nd Quartile	This Bond ID provides funding for a project to increase the capacity of the enclosed Sims Bayou tributary C116-00-00 system with a parallel trunkline.
Sims Bayou	Local	F-93	C124-00-00	Planning, Right-Of-Way Acquisition, Design and Construction Along C124-00-00	1	$ 10,000,000	$ -	$ -	$ 10,000,000	3rd Quartile	This Bond ID provides funding for any of the various project lifecycle stages for drainage improvements near Sims Bayou tributary C124-00-00.
Sims Bayou	Local	F-94	C143-00-00	Planning, Right-Of-Way Acquisition, Design and Construction Along C143-00-00	1	$ 10,000,000	$ -	$ -	$ 10,000,000	2nd Quartile	This Bond ID provides funding for a project that will reduce the risk of flooding and could also facilitate future local drainage projects near Sims Bayou tributary C143-00-00.
Sims Bayou	Local	F-95	C144-00-00	Planning, Right-Of-Way Acquisition, Design and Construction Along C144-00-00	1	$ 10,000,000	$ -	$ -	$ 10,000,000	1st Quartile	This Bond ID provides funding for a project that will reduce the risk of flooding near Sims Bayou tributary C144-00-00.
Spring Creek	Partnership	C-118	J100-00-00	Planning, Right-of-Way Acquisition, Design and Construction of a Reservoir along Spring Creek	3 & 4	$ 12,500,000	$ 12,500,000	$ -	$ 25,000,000	1st Quartile	This Bond ID provides funding to investigate stormwater detention sites in the Spring Creek watershed (both within and beyond the Harris County boundary).
Spring Creek	Local	F-119	J100-00-00	Right-of-Way Acquisition, Design and Construction of General Drainage Improvements along Spring Creek	3 & 4	$ 10,000,000	$ -	$ -	$ 10,000,000	3rd Quartile	This Bond ID provides funding for various project lifecycle stages to implement projects identified in the watershed planning project, funded by Bond ID F-75.
Spring Creek	Local	F-19	J100-00-00	Spring Creek Right-of-Way Acquisition and Floodplain Preservation	3 & 4	$ 50,000,000	$ -	$ -	$ 50,000,000	2nd Quartile	This Bond ID provides funding for right-of-way acquisition in the Spring Creek watershed for flood risk reduction projects and floodplain preservation.
Spring Creek	Partnership	F-75	J100-00-00	Investigations of General Drainage Improvements along Spring Creek	3 & 4	$ -	$ 450,000	$ -	$ 450,000	Complete	This Bond ID provided funding for a watershed planning study that identified five projects that, if implemented in the future, could reduce the risk of flooding for more than 20 structures, could reduce the size of the floodplain for up to 100 acres, and could reduce the duration and frequency of flooding for up to six miles of roadway in an Atlas 14 1% (100-year) rainfall event.
Vince Bayou	Local	F-104	I100-00-00	Right-of-Way Acquisition, Design and Construction of General Drainage Improvements in Vince Bayou Watershed	2	$ 15,000,000	$ -	$ -	$ 15,000,000	2nd Quartile	This Bond ID provides funding for various project lifecycle stages of one or more projects to improve drainage in the watershed, as recommended by the Vince Bayou Watershed Planning Study, Bond ID F-78.
Vince Bayou	Partnership	F-78	I100-00-00	Investigations of General Drainage Improvements in Vince Bayou Watershed	2	$ -	$ 550,000	$ -	$ 550,000	Complete	This Bond ID provided funding for a watershed planning study that identified ten projects that, if implemented in the future, could reduce the risk of flooding for more than 150 structures and could reduce the duration and frequency of flooding for more than 19 miles of roadway in an Atlas 14 1% (100-year) rainfall event.
White Oak Bayou	Partnership	C-14	E100-00-00	Design and Construction of Corps of Engineers White Oak Bayou Section 211(f) Project	1 & 3	$ 6,340,061	$ 48,000,000	$ 3,509,939	$ 57,850,000	1st Quartile	This Bond ID provides funding for the construction of the final two segments of the White Oak Bayou Federal Project.
White Oak Bayou	Partnership	C-15	E500-00-00	Design and Construction of Arbor Oaks Stormwater Detention Basin	1	$ 2,500,000	$ 10,800,000	$ 4,750,000	$ 18,050,000	3rd Quartile	This Bond ID provides funding for design and construction of the Arbor Oaks Stormwater Detention Basin, E500-25-00, which could reduce the risk of flooding to area homes and businesses.
White Oak Bayou	Partnership	C-16	E500-00-00	Design and Construction of Woodland Trails Stormwater Detention Basin	1	$ 7,750,000	$ 48,660,000	$ -	$ 56,410,000	2nd Quartile	This Bond ID provides funding for design and construction of the Woodland Trails Stormwater Detention Basin, E500-26-00, which could reduce the risk of flooding to area homes and businesses.
White Oak Bayou	Partnership	C-39	E200-02-00	Right-of-Way Acquisition, Design and Construction of the North Canal	1	$ 20,000,000	$ 111,249,359	$ -	$ 131,249,359	3rd Quartile	This Bond ID provides funding for any of the various project lifecycle stages for a bypass channel from White Oak Bayou to Buffalo Bayou to reduce the risk of flooding upstream and downstream of downtown Houston. This project is led by the City of Houston.
White Oak Bayou	Partnership	C-59	E500-21-00	Construction of Inwood Forest Stormwater Detention Basin	1	$ 30,000,000	$ 53,943,000	$ -	$ 83,943,000	2nd Quartile	This Bond ID provides funding for design and construction of the Inwood Forest Stormwater Detention Basin, E500-21-00. This project is expected to remove the pre-Atlas-14 1% (100-year) area of inundation from 448 structures and provide mitigation for future City of Houston projects in the area. Project will be coordinated with City of Houston.
White Oak Bayou	Community Input	CI-010	E127-00-00	Partnership Project with Jersey Village on Right-of-Way Acquisition, Design, and Construction of General Drainage Improvements along E127-00-00	3	$ 1,500,000	$ 1,500,000	$ -	$ 3,000,000	3rd Quartile	This Bond ID provides funding for a partnership project with the City of Jersey Village to reduce flooding in their city. This project is led by the City of Jersey Village.

ATTACHMENT 1 – BOND TABLE CONT.

WATERSHED	TYPE	BOND ID	UNIT ID	TITLE	PRECINCT	* ESTIMATED 2018 BOND FUNDS (BF)	** ESTIMATED PARTNER FUNDS (PF)	***ESTIMATED DISTRICT FUNDS (DF)	TOTAL ESTIMATE (BF+PF+DF)	2022 Prioritization Framework Score	DESCRIPTION
White Oak Bayou	Community Input	CI-011	E100-00-00	Partnership Project with the City of Houston for Feasibility Study of General Drainage Improvements around Hidden Lake Townhomes	1	$ 175,000	$ 175,000	$ -	$ 350,000	3rd Quartile	This Bond ID provides funding for a drainage analysis done in partnership with the City of Houston to evaluate general drainage improvements that could reduce the risk of flooding for more than 80 homes in the Hidden Lakes Townhomes in an Atlas-14 1% (100-year) rainfall event.
White Oak Bayou	Community Input	CI-030	E106-00-00	Right-of-Way Acquisition, Design and Construction of General Drainage Improvements along Turkey Gully	1	$ 10,000,000	$ 30,000,000	$ -	$ 40,000,000	3rd Quartile	This Bond ID provides funding for any of various lifecycle stages for drainage improvements near White Oak Bayou tributary E106-00-00, also known as Turkey Gully. The purpose of this project is to provide mitigation for the City of Houston's local drainage improvements.
White Oak Bayou	Community Input	CI-032	E500-00-00	Investigation of Additional Stormwater Detention Basins in the White Oak Bayou Watershed	Countywide	$ 250,000	$ -	$ -	$ 250,000	3rd Quartile	This Bond ID provides funding for an investigation of additional stormwater detention basins in the White Oak Bayou Watershed.
White Oak Bayou	Community Input	CI-033	E105-00-00	Partnership Project with City of Houston on Planning, Right-of-Way Acquisition, Design, and Construction of General Drainage Improvements along E105-00-00	1 & 3	$ 1,000,000	$ 1,000,000	$ -	$ 2,000,000	3rd Quartile	This Bond ID provides funding for a drainage analysis done in partnership with the City of Houston to evaluate general drainage improvements that could reduce the risk of flooding for homes near White Oak Bayou tributary E105-00-00. Project will be led by the City of Houston.
White Oak Bayou	Local	F-09	E101-00-00	Planning, Right-Of-Way Acquisition, Design and Construction of Little White Oak Bayou Channel Conveyance Improvements	1 & 2	$ 30,000,000	$ -	$ -	$ 30,000,000	1st Quartile	This Bond ID provides funding for any of the various project lifecycle stages for drainage improvements in the Little White Oak Bayou subwatershed.
White Oak Bayou	Local	F-10	E115-00-00	Right-Of-Way Acquisition, Design, and Construction of Channel Conveyance Improvements on Brickhouse Gully	1 & 3	$ 35,000,000	$ -	$ -	$ 35,000,000	2nd Quartile	This Bond ID provides funding for any of various lifecycle stages for drainage improvements near White Oak Bayou tributary E115-00-00, also known as Brickhouse Gully.
Willow Creek	Local	F-106	M100-00-00	Right-of-Way Acquisition, Design and Construction of General Drainage Improvements in Willow Creek Watershed	3 & 4	$ 15,000,000	$ -	$ -	$ 15,000,000	2nd Quartile	This Bond ID provides funding for various project lifecycle stages of one or more projects to improve drainage in the Willow Creek watershed.
Willow Creek	Local	F-36	M100-00-00	Willow Creek Right-of-Way Acquisition and Floodplain Preservation	3 & 4	$ 30,000,000	$ -	$ -	$ 30,000,000	2nd Quartile	This Bond ID provides funding for right-of-way acquisition in the Willow Creek watershed for flood risk reduction projects and floodplain preservation.
Willow Creek	Partnership	F-37	M124-00-00	Design and Construction of Channel Conveyance Improvements on M124-00-00 Downstream of SH 249	3 & 4	$ 21,000,000	$ 63,000,000	$ -	$ 84,000,000	2nd Quartile	This Bond ID provides funding for stormwater conveyance improvements to Willow Creek tributary M124-00-00, also known as Hillegeist Gully, to reduce the risk of flooding to nearby roadways, including SH 249 and FM 2920.
Willow Creek	Local	F-38	M528-01-00	Design and Construction of Cypress Rosehill Stormwater Detention Basin	4	$ 1,100,000	$ -	$ -	$ 1,100,000	1st Quartile	This Bond ID provides funding for various project lifecycle stages in connection with a stormwater detention basin near Cypress Rosehill Road to provide joint benefits of mitigating impacts of roadway construction and reducing the risk fo flooding for homes in the surrounding areas.
Willow Creek	Partnership	F-71	M100-00-00	Investigations of General Drainage Improvements in Willow Creek Watershed	3 & 4	$ -	$ 800,000	$ -	$ 800,000	Complete	This Bond ID provided funding for a watershed planning study that identified multiple projects that, if implemented in the future, could reduce the risk of flooding for more than 400 structures, reduce the floodplain by up to 250 acres, and could reduce the duration and frequency of flooding for more than four miles of roadway in an Atlas 14 1% (100-year) rainfall event.
zCountywide	Community Input	CI-026	Z100-00-00	Investigation of City of Houston Properties for Conversion to Stormwater Detention Basins	Countywide	$ 250,000	$ 250,000	$ -	$ 500,000	N/A	This Bond ID provides funding to evaluate, design and construct one or more stormwater detention basins on City of Houston properties to reduce the risk of flooding in the area.
Countywide	Local	Z-01	Z100-00-00	Countywide Floodplain Preservation and Right of Way Acquisition	Countywide	$ 50,000,000	$ -	$ -	$ 50,000,000	N/A	This Bond ID provides funding for countywide right-of-way acquisition for flood risk reduction projects and floodplain preservation.
Countywide	Partnership	Z-02	Z100-00-00	Partnership Projects with Municipalities, Authorities, and Other Districts in Harris County	Countywide	$ 175,000,000	$ 193,839,980	$ -	$ 368,839,980	N/A	This Bond ID provides funding for partnership projects with various municipalities, authorities and other governmental entities in Harris County
Countywide	Partnership	Z-03	Z100-00-00	Countywide Ongoing Planning	Countywide	$ 9,500,000	$ 2,500,000	$ -	$ 12,000,000	N/A	This Bond ID provides funding for investigations to identify future projects and activities to reduce flooding in Harris County watersheds.
Countywide	Local	Z-04	Z100-00-00	Partnership Projects with the Harris County Engineering Department	Countywide	$ 100,000,000	$ -	$ -	$ 100,000,000	N/A	This Bond ID provides funding for partnership projects with the Harris County Engineering Department, with the initial funding split between the four precincts equally.
Countywide	Local	Z-05	Z100-00-00	Advanced Emerging Technologies for Flood Damage Reduction	Countywide	$ 25,000,000	$ -	$ -	$ 25,000,000	N/A	This Bond ID provides funding for investigations of new methods to reduce the risk of flooding and associated damages in Harris County. This can include the use of native vegetation to stabilize channel banks and reduce erosion.

ATTACHMENT 1 – BOND TABLE CONT.

WATERSHED	TYPE	BOND ID	UNIT ID	TITLE	PRECINCT	* ESTIMATED 2018 BOND FUNDS (BF)	** ESTIMATED PARTNER FUNDS (PF)	***ESTIMATED DISTRICT FUNDS (DF)	TOTAL ESTIMATE (BF+PF+DF)	2022 Prioritization Framework Score	DESCRIPTION
Countywide	Local	Z-06	Z100-00-00	Bond Administration	Countywide	$ *10,000,000*	$ -	$ -	**$ 10,000,000**	N/A	This Bond ID provides funding for legal and professional services needed to administer and complete the 2018 Bond Program.
Countywide	Local	Z-07	Z100-00-00	Flood Resilience Trust	Countywide	$ *28,595,161*	$ -	$ -	**$ 28,595,161**	N/A	This Bond ID provides contingency funding to help complete the 2018 Bond Program.
Countywide	Partnership	Z-08	Z100-00-00	Preliminary Engineering for Large Diameter Tunnels for Stormwater Conveyance	Countywide	$ *20,000,000*	$ *2,720,000*	$ -	**$ 22,720,000**	N/A	This Bond ID provides funding for any of various project lifecycle stages in consideration of deep underground, large-diameter tunnels to reduce the risk of flooding across Harris County.
Countywide	Partnership	Z-09	Z100-00-00	Upgrades and Expansion of the Harris County Flood Warning System	Countywide	$ *1,250,000*	$ *1,310,019*	$ -	**$ 2,560,019**	N/A	This Bond ID provides funding for upgrades to and expansion of the Harris County Flood Warning System to provide near real-time information on rainfall and stream levels for emergency managers, public officials, first responders and the public.
Countywide	Partnership	Z-10	Z100-00-00	Maapnext - Harris County Floodplain Mapping Updates	Countywide	$ *12,500,000*	$ *12,800,000*	$ *250,000*	**$ 25,550,000**	N/A	This Bond ID provides funding for the Modeling, Assessment and Awareness Project to provide accurate and comprehensive information on flood risk in Harris County.
Countywide	Local	Z-11	Z100-00-00	Countywide Communications Relating to 2018 Bond and CIP Projects	Countywide	$ *10,000,000*	$ -	$ -	**$ 10,000,000**	N/A	This Bond ID provides funding for communications activities related to the 2018 Bond Program to provide transparency and incorporate public feedback on projects and programs.
Countywide	Buyout	Z-Buyout	Z100-00-00	Federal Grant-Funded Volunteer Home Buyouts	Countywide	$ *94,125,000*	$ *357,758,353*	$ -	**$ 451,883,353**	N/A	This Bond ID provides local match funding for voluntary home buyouts.
Countywide	Storm Repair	Z-StormRep	Z100-00-00	Countywide Storm Repairs in Harris County	Countywide	$ *20,070,000*	$ *79,397,180*	$ -	**$ 99,467,180**	N/A	This Bond ID provides local match funding for Countywide Storm Repairs in Harris County
Countywide	Subdivision Drainage Improvement	Z-Subdiv	Z100-00-00	Harris County Engineering Department Countywide Subdivision Drainage Improvement Projects	Countywide	$ -	$ -	$ -	**$ -**	N/A	This Bond ID provides subdivision drainage improvements, which is managed and reported by Harris County Engineering. The Total Estimate is approximately $792M, with details available from Harris County Engineering.
						$ *2,500,000,000*	$ *2,130,543,736*	$ *31,465,082*	***$ 4,662,008,818***		

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Harris County Flood Control District - 2018 Bond Program - List of Projects with Funding and Spending Details

			Bond Funds Only			
Bond ID	**Bond Title**	**Status**	**Designated Bond Funds**	**Spent**	**Encumbered**	**Remaining**
C-36	Right-Of-Way Acquisition, Design and Construction of Channel Conveyance Improvements for South Mayde Creek	*ACTIVE*	*$ 1,000,000*	*$ -*	*$ 685,720*	$ 314,280
C-37	Design of West Little York Stormwater Detention Basin	*ACTIVE*	*$ 500,000*	*$ 230*	*$ 1,000*	$ 498,770
C-38	Design and Construction of Dinner Creek Stormwater Detention Basin	*ACTIVE*	*$ 3,750,000*	*$ 1,097,742*	*$ 2,351,416*	$ 300,842
C-40	Corps of Engineers Section 216 Study - Addicks and Barker Reservoirs	*ACTIVE*	*$ -*	*$ -*	*$ -*	$ -
C-46	Right-Of-Way Acquisition, Design and Construction of a Stormwater Detention Basin on South Mayde Creek	*ACTIVE*	*$ 1,600,000*	*$ 479,549*	*$ 1,046,400*	$ 74,051
C-47	Design and Construction of a Bridge Replacement for Greenhouse Road at South Mayde Creek	*COMPLETE*	*$ -*	*$ -*	*$ -*	$ -
C-48	Right-Of-Way Acquisition, Design and Construction of a Stormwater Detention Basin on South Mayde Creek near the Grand Parkway	*ACTIVE*	*$ 9,400,000*	*$ 4,269,393*	*$ 1,395,948*	$ 3,734,659
C-52	Rehabilitation of Channels Inside of Addicks Reservoir to Restore Channel Conveyance Capacity	*ACTIVE*	*$ 10,000,000*	*$ 896,832*	*$ 703,815*	$ 8,399,353
F-53	Rehabilitation of Channels Upstream of Addicks Reservoir to Restore Channel Conveyance Capacity	*ACTIVE*	*$ 40,000,000*	*$ 38,525,833*	*$ 1,027,217*	$ 446,950
F-54	Construction of Control Structures and Stormwater Quality Features for the Upper Langham Creek Program	*ACTIVE*	*$ 10,000,000*	*$ 3,176,924*	*$ -*	$ 6,823,076
F-55	Planning, Right-Of-Way Acquisition, Design, and Construction for Ultimate Conveyance on Bear Creek	*ACTIVE*	*$ 25,000,000*	*$ 13,380,019*	*$ -*	$ 11,619,981
F-56	Right-Of-Way Acquisition, Design, and Construction of a Retention Area	*COMPLETE*	*$ 10,740,693*	*$ 10,715,414*	*$ -*	$ 25,279
F-83	Right-Of-Way Acquisition, Design, and Construction of General Drainage Improvements in Upper Langham Creek	*PLANNED*	*$ 26,000,000*	*$ -*	*$ -*	$ 26,000,000
F-84	Design and Construction of Secondary Outfall for John Pauls Landing for the Upper Langham Creek Program	*COMPLETE*	*$ -*	*$ -*	*$ -*	$ -
C-06	Right-Of-Way Acquisition, Design, and Construction of Brookglen Stormwater Detention Basin	*ACTIVE*	*$ 2,000,000*	*$ 1,355,219*	*$ 377,181*	$ 267,600
C-07	Design and Construction of Genoa Red Bluff Stormwater Detention Basin	*ACTIVE*	*$ 4,750,000*	*$ 2,935,109*	*$ 690,554*	$ 1,124,337
C-44	Armand Bayou Right-of-Way Acquisition and Floodplain Preservation	*ACTIVE*	*$ 2,000,000*	*$ 2,000,000*	*$ -*	$ -
CI-021	Brookglen Flooding Mitigation Analysis	*COMPLETE*	*$ 210,795*	*$ 210,795*	*$ -*	$ 0
CI-023	Right-Of-Way, Design and Construction of Conveyance Improvements along Horsepen Bayou	*ACTIVE*	*$ 12,463,254*	*$ 1,612,115*	*$ 191,187*	$ 10,659,953
F-72	Design and Construction of the Baywood Stormwater Detention Basin	*ACTIVE*	*$ 2,000,000*	*$ 1,678,695*	*$ 290,269*	$ 31,036
F-96	Investigations of General Drainage Improvements in Armand Bayou Watershed	*COMPLETE*	*$ -*	*$ -*	*$ -*	$ -
F-99	Right-Of-Way and Design of Conveyance Improvements along Armand Bayou	*ACTIVE*	*$ 10,000,000*	*$ 936,443*	*$ 35,097*	$ 9,028,460
C-53	Rehabilitation of Channels Inside of Barker Reservoir to Restore Channel Conveyance Capacity	*ACTIVE*	*$ 10,000,000*	*$ 375,854*	*$ 532,239*	$ 9,091,907
F-52	Rehabilitation of Channels Upstream of Barker Reservoir to Restore Channel Conveyance Capacity	*ACTIVE*	*$ 20,000,000*	*$ 9,069,564*	*$ 4,406,770*	$ 6,523,666
C-11	Design and Construction of Project Brays Corps of Engineers Section 211(f) Project	*COMPLETE*	*$ 15,678,189*	*$ 15,678,189*	*$ -*	$ -
C-12	Design and Construction of Conveyance Improvements along Poor Farm Ditch	*ACTIVE*	*$ 4,500,000*	*$ 309,372*	*$ 534,022*	$ 3,656,606
C-13	Planning, Right-Of-Way, Design and Construction of Conveyance Improvements along Bintliff Ditch	*ACTIVE*	*$ 7,500,000*	*$ -*	*$ -*	$ 7,500,000
CI-025	Investigation of Additional Stormwater Detention Basins in the Brays Bayou Watershed	*PLANNED*	*$ 200,000*	*$ -*	*$ -*	$ 200,000
CI-034	Investigation of Channel Improvements Upstream of Fondren Road on Brays Bayou	*COMPLETE*	*$ 250,000*	*$ 201,719*	*$ -*	$ 48,281
CI-038	Restore Channel Conveyance Capacity Along D115-00-00	*PLANNED*	*$ 15,000,000*	*$ -*	*$ -*	$ 15,000,000
F-07	Planning, Right-Of-Way Acquisition, Design, and Construction of Channel Conveyance Improvements on Keegans Bayou	*ACTIVE*	*$ 32,500,000*	*$ 13,089,133*	*$ 2,121,621*	$ 17,289,246
F-08	Planning, Right-Of-Way Acquisition, Design, and Construction of Channel Conveyance Improvements on Fondren Diversion Channel	*ACTIVE*	*$ 30,500,000*	*$ 547,188*	*$ -*	$ 29,952,812
CI-009	Partnership Project with Fort Bend County on Right-of-Way Acquisition, Design, and Construction of General Drainage Improvements along Clodine Ditch	*COMPLETE*	*$ -*	*$ -*	*$ -*	$ -
CI-016	Investigations of Bridges, Potential Channel Bypasses and other Alternatives along Buffalo Bayou	*COMPLETE*	*$ 371,420*	*$ 371,420*	*$ -*	$ 0
CI-017	Phased Implementation of Additional Storage and Conveyance Improvements along Buffalo Bayou and Tributaries	*PLANNED*	*$ 30,000,000*	*$ -*	*$ -*	$ 30,000,000
CI-018	Rehabilitation of W140-00-00 to Restore Channel Conveyance Capacity	*ACTIVE*	*$ 2,000,000*	*$ 220,851*	*$ 67,135*	$ 1,712,014
CI-024	Investigation of Effectiveness of Micro-Detention in the Buffalo Bayou Watershed	*PLANNED*	*$ 200,000*	*$ -*	*$ -*	$ 200,000
F-58	Construction of Linear Detention on Buffalo Bayou	*PLANNED*	*$ 10,000,000*	*$ -*	*$ -*	$ 10,000,000
F-59	Spring Branch Creek Stabilization	*COMPLETE*	*$ -*	*$ -*	*$ -*	$ -
F-79	Planning, Right-Of-Way Acquisition, Design and Construction Along W157-00-00	*ACTIVE*	*$ 10,000,000*	*$ 379,938*	*$ 20,062*	$ 9,600,000
F-80	Planning, Right-Of-Way Acquisition, Design and Construction Along Soldiers Creek	*ACTIVE*	*$ 10,000,000*	*$ 195,676*	*$ 520,519*	$ 9,283,805
F-81	Planning, Right-Of-Way Acquisition, Design and Construction Along W151-00-00 and W153-00-00	*ACTIVE*	*$ 20,000,000*	*$ 174,657*	*$ 835,343*	$ 18,990,000
F-82	Demolition of 1119 Commerce Street and Slope Stabilization Along Buffalo Bayou	*COMPLETE*	*$ 4,604,930*	*$ 4,604,930*	*$ -*	$ -
F-124	Investigations of General Drainage Improvements along Carpenters Bayou	*COMPLETE*	*$ 498,933*	*$ 498,933*	*$ -*	$ -
F-123	Bond implementation Management (BIM) of the Right-of-Way Acquisition, Design and Construction in Cedar Bayou Watershed	*ACTIVE*	*$ 9,200,000*	*$ 6,489,618*	*$ 1,916,379*	$ 794,003
F-41	Right-of-Way Acquisition, Design and Construction of Channel Conveyance Improvements along Clawson Ditch Q122-00-00 and Tributaries	*ACTIVE*	*$ 19,000,000*	*$ 1,864,340*	*$ -*	$ 17,135,660

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F-42	Right-of-Way Acquisition, Design and Construction of Channel Conveyance Improvements along Magee Gully	*ACTIVE*	*$ 33,000,000*	*$ 814,182*	*$ 274,615*	$ 31,911,203
F-43	Right-of-Way Acquisition, Design and Construction of Channel Conveyance Improvements along Adlong Ditch	*ACTIVE*	*$ 20,000,000*	*$ 4,224,661*	*$ 41,000*	$ 15,734,339
F-44	Right-of-Way Acquisition, Design and Construction of Channel Conveyance Improvements along Q130-00-00	*ACTIVE*	*$ 18,000,000*	*$ 6,818,594*	*$ 147,274*	$ 11,034,132
F-45	Planning, Right-Of-Way Acquisition, Design and Construction of Channel Conveyance Improvements on Q134-00-00 and Q134-00-01	*ACTIVE*	*$ 22,000,000*	*$ 1,930,946*	*$ 229,446*	$ 19,839,609
F-46	Right-Of-Way Acquisition, Design and Construction of the Q500-01 Stormwater Detention Basin	*ACTIVE*	*$ 22,900,000*	*$ 793,913*	*$ 192,785*	$ 21,913,302
F-47	Right-Of-Way Acquisition, Design and Construction of Stormwater Detention Basins near Coastal Water Authority canals and IH 10	*ACTIVE*	*$ 19,900,000*	*$ 529,565*	*$ 302,860*	$ 19,067,575
F-48	Design and Construction of Crosby Eastgate Environmental Mitigation Bank	*ACTIVE*	*$ 1,000,000*	*$ 627,045*	*$ 220,453*	$ 152,502
F-69	Right-Of-Way Acquisition, Design and Construction of channel conveyance improvements on Q136-00-00	*ACTIVE*	*$ 10,500,000*	*$ 1,312,157*	*$ 171,385*	$ 9,016,457
F-70	Right-Of-Way Acquisition, Design and Construction of Channel Conveyance Improvements and Stormwater Detention Basin Upstream of FM 1960	*ACTIVE*	*$ 74,000,000*	*$ 3,298,376*	*$ 393,247*	$ 70,308,377
C-03	Right-Of-Way Acquisition, Design and Construction of Corps of Engineers Clear Creek Federal Flood Risk Management Project	*ACTIVE*	*$ 70,000,000*	*$ 994,615*	*$ 834*	$ 69,004,551
C-05	Design and Construction of South Belt Stormwater Detention Basin and Rev. Lawson Stormwater Detention Basin	*ACTIVE*	*$ 11,387,500*	*$ 9,188,567*	*$ 16,074*	$ 2,182,859
CI-001	Rehabilitation of the Clear Creek channel to Restore Channel Conveyance Capacity	*COMPLETE*	*$ -*	*$ -*	*$ -*	$ -
CI-003	Rehabilitation of the A214-00-00 channel to Restore Channel Conveyance Capacity	*PLANNED*	*$ 500,000*	*$ -*	*$ -*	$ 500,000
CI-013	Restore Channel Conveyance Capacity on A104-00-00	*PLANNED*	*$ 5,000,000*	*$ -*	*$ -*	$ 5,000,000
CI-039	Partnership Project with Nassau Bay to Reduce the Risk of Flooding	*COMPLETE*	*$ 93,324*	*$ 93,324*	*$ -*	$ 1
CI-62	Planning, Right-Of-Way, Design, and Construction of the Friendswood Regional Stormwater Detention Basin and the Whitcomb Terracing and Detention Project	*ACTIVE*	*$ 5,000,000*	*$ 262,672*	*$ 1,882,439*	$ 2,854,889
F-01	Right-Of-Way, Design, and Construction of the Morningside Place Drainage Improvements Project	*ACTIVE*	*$ 2,950,000*	*$ 618,092*	*$ 1,701,320*	$ 630,588
F-02	Right-Of-Way Acquisition, Design and Construction of Hughes Stormwater Detention Basin on Clear Creek	*ACTIVE*	*$ 6,100,000*	*$ 3,015,681*	*$ -*	$ 3,084,319
F-76	Identification and Design of the A700-01-00 Environmental Mitigation Bank	*ACTIVE*	*$ 6,000,000*	*$ 5,668,623*	*$ 331,377*	$ (0)
CI-012	Major Maintenance of Cypress Creek and Tributaries	*ACTIVE*	*$ 61,000,000*	*$ 46,731,903*	*$ 9,804,510*	$ 4,463,586
CI-020	Investigation of Potential Detention Sites Around Cypress Creek and Stuebner Airline	*COMPLETE*	*$ -*	*$ -*	*$ -*	$ -
CI-035	Update to 2003 Texas Water Development Board Cypress Creek Tributary Study and Investigate Expanding Stormwater Detention Basins in Cypress Creek Watershed	*COMPLETE*	*$ 722,864*	*$ 696,593*	*$ -*	$ 26,271
CI-36	Investigation of Additional Detention Volume at K500-01-00 Stormwater Detention Basin	*COMPLETE*	*$ -*	*$ -*	*$ -*	$ -
F-112	Right-Of-Way Acquisition, Design, and Construction of West Harris County Wetland Mitigation Bank	*ACTIVE*	*$ 20,000,000*	*$ 11,447,414*	*$ 1,214,390*	$ 7,338,196
F-20	Cypress Creek Right-of-Way Acquisition and Floodplain Preservation	*ACTIVE*	*$ 100,000,000*	*$ 71,805,249*	*$ 40,706*	$ 28,154,045
F-21	Restore Channel Conveyance Capacity on K129-00-00	*COMPLETE*	*$ -*	*$ -*	*$ -*	$ -
F-22	Restore Channel Conveyance Capacity Along Pillot Gully	*COMPLETE*	*$ 3,598,062*	*$ 3,588,997*	*$ 9,065*	$ -
F-23	Construction of Channel Conveyance Improvements Along K163-00-00	*COMPLETE*	*$ 7,771,579*	*$ 7,670,002*	*$ -*	$ 101,577
F-24	Identification, Design and Construction of the K700-01 Environmental Mitigation Bank	*COMPLETE*	*$ 9,300,000*	*$ 4,823,855*	*$ 7,994*	$ 4,468,151
F-88	Right-Of-Way Acquisition, Design and Construction of Stormwater Detention Basins in Large Buyout Areas	*ACTIVE*	*$ 25,000,000*	*$ 12,609,956*	*$ 1,814,230*	$ 10,575,814
C-57	Right-of-Way Acquisition, Design and Construction of General Drainage Improvements Along F216-00-00	*ACTIVE*	*$ 8,000,000*	*$ 164,563*	*$ -*	$ 7,835,438
C-58	Right-of-Way Acquisition, Design and Construction of General Drainage Improvements Along F101-06-00	*ACTIVE*	*$ 6,000,000*	*$ 494,782*	*$ 20,009*	$ 5,485,209
F-101	Investigations of General Drainage Improvements in Galveston Bay Watershed	*COMPLETE*	*$ -*	*$ -*	*$ -*	$ -
F-98	Right-Of-Way and Design of General Drainage Improvements in Galveston Bay Watershed	*ACTIVE*	*$ 4,000,000*	*$ 593,247*	*$ 244,552*	$ 3,162,201
F-109	Right-Of-Way Acquisition, Design, and Construction of General Drainage Improvements on Spring Gully	*ACTIVE*	*$ 11,000,000*	*$ 363,354*	*$ 6*	$ 10,636,640
F-120	Right-Of-Way Acquisition, Design, and Construction of General Drainage Improvements in Goose Creek watershed	*ACTIVE*	*$ 25,000,000*	*$ 3,793,738*	*$ 26,492*	$ 21,179,770
F-121	Investigations of General Drainage Improvements in Goose Creek watershed	*COMPLETE*	*$ -*	*$ -*	*$ -*	$ -
F-39	Investigations of General Drainage Improvements on Spring Gully	*COMPLETE*	*$ -*	*$ -*	*$ -*	$ -
C-20	Mid-Reach Greens Bayou Project - Design and Construction of Channel Conveyance Improvements along Greens Bayou	*ACTIVE*	*$ 12,793,260*	*$ 2,873,588*	*$ 1,531,129*	$ 8,388,543
C-31	Design and Construction of the Smith Road Channel Diversion	*ACTIVE*	*$ 5,342,198*	*$ 4,964,609*	*$ 339,079*	$ 38,510
C-32	Design and Construction of the Cutten Road Stormwater Detention Basin Improvements	*COMPLETE*	*$ 16,181,425*	*$ 7,732,149*	*$ 110,203*	$ 8,339,073
C-33	Design and Construction of Aldine-Westfield Stormwater Detention Basin Improvements	*COMPLETE*	*$ 20,150,192*	*$ 17,703,843*	*$ 536,000*	$ 1,910,349
C-34	Design and Construction of Lauder Stormwater Detention Basin Improvements	*ACTIVE*	*$ 22,358,714*	*$ 11,129,771*	*$ 2,914,569*	$ 8,314,374
C-43	Planning, Right-of-Way Acquisition, and Design of Channel Conveyance Improvements along P138-01-01	*ACTIVE*	*$ 5,000,000*	*$ 506,218*	*$ 107,844*	$ 4,385,938
CI-022	Right-Of-Way, Design, and Construction of Stormwater Detention Basin Near P130-05-00	*COMPLETE*	*$ -*	*$ -*	*$ -*	$ -
F-40	Repairs and Enhancements to the Lower Greens Bayou Regional Detention Embankment and Control Structure	*COMPLETE*	*$ 2,412,246*	*$ 2,369,719*	*$ -*	$ 42,528
C-01	Design and Construction of Helms Stormwater Detention Basin	*ACTIVE*	*$ 600,000*	*$ 410,582*	*$ -*	$ 189,418
C-23	Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-08-00	*ACTIVE*	*$ 5,500,000*	*$ 3,604,463*	*$ 831,486*	$ 1,064,051
C-24	Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-09-00	*ACTIVE*	*$ 2,200,000*	*$ 454,731*	*$ 222,145*	$ 1,523,125
C-25	Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-21-00	*COMPLETE*	*$ 10,253,184*	*$ 2,217,024*	*$ 12,123*	$ 8,024,038
C-26	Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-23-00 and P118-23-02	*ACTIVE*	*$ 7,400,000*	*$ 1,905,737*	*$ 1,670,310*	$ 3,823,953
C-28	Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-25-00 & P118-25-01	*ACTIVE*	*$ 17,350,000*	*$ 5,434,206*	*$ 955,033*	$ 10,960,760
C-30	Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-27-00	*ACTIVE*	*$ 1,500,000*	*$ 746,745*	*$ 223,394*	$ 529,861

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C-35	Design and Construction of Little York and Hopper Stormwater Detention Basins	*ACTIVE*	*$ 800,000*	*$ -*	*$ -*	$ 800,000
C-41	Planning, Right-Of-Way, Design and Construction of Halls Bayou Flood Risk Management Project	*ACTIVE*	*$ 11,460,000*	*$ 4,227,022*	*$ 437,220*	$ 6,795,758
CI-006	Design and Construction of a Stormwater Detention Basin in Brock Park	*PLANNED*	*$ 5,000,000*	*$ -*	*$ -*	$ 5,000,000
F-122	Bond implementation Management (BIM) of the Right-of-Way Acquisition, Design and Construction in Halls Bayou Watershed	*ACTIVE*	*$ 48,040,000*	*$ 17,415,948*	*$ 27,832,357*	$ 2,791,695
C-18	Design and Construction of Corps of Engineers Hunting Bayou, Section 211(f) Project	*ACTIVE*	*$ -*	*$ -*	*$ -*	$ -
CI-031	District Cost Share of Study with the City of Houston on Wallisville Outfall	*COMPLETE*	*$ 648,092*	*$ 648,092*	*$ -*	$ 0
CI-59	Planning, Right-Of-Way, Design, and Construction of Conveyance Improvements along Lower Hunting Bayou	*ACTIVE*	*$ 10,000,000*	*$ 531,336*	*$ 75,719*	$ 9,392,945
F-17	Right-Of-Way Acquisition, Design and Construction of Wallisville Outfall	*ACTIVE*	*$ 10,000,000*	*$ -*	*$ -*	$ 10,000,000
F-107	Right-of-Way Acquisition, Design and Construction of General Drainage Improvements in Jackson Bayou Watershed	*ACTIVE*	*$ 10,000,000*	*$ 401,923*	*$ 648,915*	$ 8,949,162
F-73	Investigations of General Drainage Improvements in Jackson Bayou Watershed	*COMPLETE*	*$ -*	*$ -*	*$ -*	$ -
F-26	Management, Right-of-Way Acquisition and Design of the Little Cypress Creek Frontier Program	*ACTIVE*	*$ 38,653,975*	*$ 35,112,342*	*$ 1,964,549*	$ 1,577,084
F-27	Design and Construction of Zube Park Stormwater Detention Basin	*ACTIVE*	*$ 9,250,000*	*$ 9,046,283*	*$ 101,439*	$ 102,277
F-28	Right-Of-Way Acquisition, Design, and Construction of Kluge Stormwater Detention Basin	*ACTIVE*	*$ 12,250,000*	*$ 10,122,536*	*$ -*	$ 2,127,464
F-29	Right-Of-Way Acquisition and Design of Mueschke East Stormwater Detention Basin	*ACTIVE*	*$ 15,900,000*	*$ 12,751,204*	*$ 1,099,719*	$ 2,049,077
F-30	Right-Of-Way Acquisition and Design of Schiel Stormwater Detention Basin	*ACTIVE*	*$ 16,000,000*	*$ 5,111,373*	*$ 1,003,840*	$ 9,884,787
F-31	Right-Of-Way Acquisition and Design of Mueschke West Stormwater Detention Basin Improvements	*ACTIVE*	*$ 10,600,000*	*$ 7,648,145*	*$ 951,774*	$ 2,000,081
F-32	Right-Of-Way Acquisition and Design of Hegar Stormwater Detention Basin Improvements	*ACTIVE*	*$ 11,800,000*	*$ 7,752,570*	*$ 1,107,771*	$ 2,939,659
F-33	Construction of Kleb Woods Stormwater Detention Basin Improvements	*COMPLETE*	*$ 3,700,000*	*$ 2,727,797*	*$ -*	$ 972,203
F-34	Right-Of-Way Acquisition and Design of Mason Stormwater Detention Basin	*ACTIVE*	*$ 13,000,000*	*$ 9,825,026*	*$ 459,933*	$ 2,715,042
F-35	Construction of Bauer-Hockley Stormwater Detention Basin Improvements	*COMPLETE*	*$ 4,036,799*	*$ 3,986,799*	*$ -*	$ 50,000
F-89	Design and Construction of Additional Volume in Little Cypress Creek Stormwater Detention Basins	*COMPLETE*	*$ -*	*$ -*	*$ -*	$ -
F-108	Construction of the Luce Bayou Stormwater Detention Basin	*ACTIVE*	*$ 18,000,000*	*$ 5,236,310*	*$ -*	$ 12,763,690
F-110	Planning, Right-Of-Way Acquisition, and Design of General Drainage Improvements Near Huffman	*ACTIVE*	*$ 5,000,000*	*$ 1,141,484*	*$ 137,643*	$ 3,720,873
F-51	Luce Bayou Right-of-Way Acquisition and Floodplain Preservation	*ACTIVE*	*$ 5,000,000*	*$ -*	*$ -*	$ 5,000,000
F-85	Investigations of General Drainage Improvements along Luce Bayou	*COMPLETE*	*$ -*	*$ -*	*$ -*	$ -
C-17	San Jacinto River Watershed Study	*COMPLETE*	*$ 245,606*	*$ 129,093*	*$ -*	$ 116,513
C-50	Funding for Future Partnership Projects Based on Results of the San Jacinto River Watershed Study	*ACTIVE*	*$ 18,750,000*	*$ 162,500*	*$ -*	$ 18,587,500
CI-019	Investigations of Potential Detention Sites Around Glendale Dredge Site in Partnership with the City of Houston	*ACTIVE*	*$ 50,000*	*$ -*	*$ -*	$ 50,000
CI-028	Design and Construction of Additional Gates on Lake Houston in Partnership with the City of Houston	*ACTIVE*	*$ 20,000,000*	*$ 23,547*	*$ 16,388*	$ 19,960,065
CI-60	Planning, Right-Of-Way, Design and Construction of Conveyance Improvements along Panther Creek	*ACTIVE*	*$ 10,000,000*	*$ 1,746,843*	*$ 156,468*	$ 8,096,689
CI-61	East Fork, West Fork and Lake Houston Dredging	*COMPLETE*	*$ 10,000,000*	*$ 7,278,626*	*$ 2,721,374*	$ -
F-111	Planning, Right-Of-Way Acquisition, Design and Construction of General Drainage Improvements East of Lake Houston	*ACTIVE*	*$ 10,000,000*	*$ 371,245*	*$ 800,000*	$ 8,828,755
F-14	Planning, Right-Of-Way Acquisition, Design and Construction of General Drainage Improvements Near Kingwood	*ACTIVE*	*$ 10,000,000*	*$ 2,878,022*	*$ 2,334,272*	$ 4,787,706
F-15	Planning, Right-Of-Way Acquisition, Design and Construction of General Drainage Improvements Near Atascocita	*ACTIVE*	*$ 10,000,000*	*$ 541,586*	*$ 10,770*	$ 9,447,644
C-08	Right-Of-Way Acquisition, Design, and Construction of Stormwater Detention Basin and Channel Conveyance Improvements along Salt Water Ditch	*ACTIVE*	*$ 12,500,000*	*$ 1,076,654*	*$ 463,120*	$ 10,960,226
C-09	Right-Of-Way Acquisition, Design, and Construction of South Post Oak Stormwater Detention Basin and Channel Conveyance Improvements along C147-00-00	*ACTIVE*	*$ 7,542,500*	*$ 678,463*	*$ 999,632*	$ 5,864,405
C-10	Design and Construction of South Shaver Stormwater Detention Basin	*COMPLETE*	*$ 15,000,000*	*$ 9,304,946*	*$ 1,437,016*	$ 4,258,038
CI-027	Planning, Right-Of-Way Acquisition, Design, and Construction of Improvements for the Tributaries of C106-00-00	*COMPLETE*	*$ 2,000,000*	*$ 2,000,000*	*$ -*	$ -
CI-029	Restore Channel Conveyance Capacity Along C102-00-00	*ACTIVE*	*$ 15,000,000*	*$ 267,598*	*$ 570,809*	$ 14,161,593
CI-037	Restore Channel Conveyance Capacity Along C146-00-00	*ACTIVE*	*$ 15,000,000*	*$ -*	*$ -*	$ 15,000,000
F-92	Planning, Right-Of-Way Acquisition, Design and Construction Along C116-00-00	*ACTIVE*	*$ 10,000,000*	*$ 948,356*	*$ 112,019*	$ 8,939,625
F-93	Planning, Right-Of-Way Acquisition, Design and Construction Along C124-00-00	*ACTIVE*	*$ 10,000,000*	*$ 7,029,371*	*$ -*	$ 2,970,630
F-94	Planning, Right-Of-Way Acquisition, Design and Construction Along C143-00-00	*ACTIVE*	*$ 10,000,000*	*$ 145,453*	*$ -*	$ 9,854,548
F-95	Planning, Right-Of-Way Acquisition, Design and Construction Along C144-00-00	*ACTIVE*	*$ 10,000,000*	*$ 1,667,658*	*$ 189,744*	$ 8,142,598
C-118	Planning, Right-Of-Way Acquisition, and Design of a Reservoir along Spring Creek	*ACTIVE*	*$ 12,500,000*	*$ 225,000*	*$ -*	$ 12,275,000
F-119	Right-of-Way Acquisition and Design of General Drainage Improvements along Spring Creek	*ACTIVE*	*$ 10,000,000*	*$ 477,216*	*$ 169,183*	$ 9,353,601
F-19	Spring Creek Right-of-Way Acquisition and Floodplain Preservation	*ACTIVE*	*$ 25,000,000*	*$ 7,998,036*	*$ 450*	$ 17,001,514
F-75	Investigations of General Drainage Improvements along Spring Creek	*COMPLETE*	*$ -*	*$ -*	*$ -*	$ -
F-104	Right-of-Way Acquisition, Design and Construction of General Drainage Improvements in Vince Bayou Watershed	*ACTIVE*	*$ 15,000,000*	*$ 717,551*	*$ 90,947*	$ 14,191,502
F-78	Investigations of General Drainage Improvements in Vince Bayou Watershed	*COMPLETE*	*$ -*	*$ -*	*$ -*	$ -
C-14	Design and Construction of Corps of Engineers White Oak Bayou Section 211(f) Project	*ACTIVE*	*$ 6,340,061*	*$ 5,381,488*	*$ 137,822*	$ 820,751
C-15	Design and Construction of Arbor Oaks Stormwater Detention Basin	*ACTIVE*	*$ 2,700,000*	*$ 2,632,858*	*$ 62,000*	$ 5,142
C-16	Design and Construction of Woodland Trails Stormwater Detention Basin	*ACTIVE*	*$ 7,750,000*	*$ 1,411,920*	*$ 361,343*	$ 5,976,737
C-39	Right-of-Way Acquisition, Design and Construction of the North Canal	*ACTIVE*	*$ 20,000,000*	*$ 20,000,000*	*$ -*	$ -
C-59	Construction of Inwood Forest Stormwater Detention Basin	*ACTIVE*	*$ 30,000,000*	*$ 2,513,382*	*$ 18,843,909*	$ 8,642,708

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CI-010	Partnership Project with Jersey Village on Design of General Drainage Improvements along E127-00-00	*COMPLETE*	*$ 1,500,000*	*$ 1,500,000*	*$ -*	$ -
CI-011	Partnership Project with the City of Houston for Feasibility Study of General Drainage Improvements around Hidden Lake Townhomes	*ACTIVE*	*$ 175,000*	$ -	$ -	$ 175,000
CI-030	Right-of-Way Acquisition, Design and Construction of General Drainage Improvements along Turkey Gully	*ACTIVE*	*$ 10,000,000*	*$ 593,972*	*$ 289,183*	$ 9,116,845
CI-032	Investigation of Additional Stormwater Detention Basins in the White Oak Bayou Watershed	*ACTIVE*	*$ 250,000*	*$ 106,230*	$ -	$ 143,770
CI-033	Partnership Project with City of Houston on Planning, Right-of-Way Acquisition, Design, and Construction of General Drainage Improvements along E105-00-00	*PLANNED*	*$ 1,000,000*	$ -	$ -	$ 1,000,000
F-09	Planning, Right-Of-Way Acquisition, Design and Construction of Little White Oak Bayou Channel Conveyance Improvements	*ACTIVE*	*$ 30,000,000*	*$ 11,435,791*	*$ 3,247,967*	$ 15,316,243
F-10	Right-Of-Way Acquisition, Design, and Construction of Channel Conveyance Improvements on Brickhouse Gully	*PLANNED*	*$ 35,000,000*	$ -	$ -	$ 35,000,000
F-106	Right-Of-Way Acquisition, Design, and Construction of the Boudreaux Stormwater Detention Basin	*ACTIVE*	*$ 15,000,000*	*$ 1,215,821*	*$ 2,591,782*	$ 11,192,398
F-36	Willow Creek Right-of-Way Acquisition and Floodplain Preservation	*ACTIVE*	*$ 15,000,000*	*$ 14,354,359*	*$ 26,149*	$ 619,493
F-37	Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on M124-00-00 Downstream of SH 249	*ACTIVE*	*$ 21,000,000*	*$ 18,225,805*	*$ 771,425*	$ 2,002,771
F-38	Design of Cypress Rosehill Stormwater Detention Basin	*ACTIVE*	*$ 1,100,000*	*$ 193,130*	*$ 12,337*	$ 894,533
F-71	Investigations of General Drainage Improvements in Willow Creek Watershed	*COMPLETE*	*$ -*	*$ -*	*$ -*	$ -
CI-026	Investigation of City of Houston Properties for Conversion to Stormwater Detention Basins	*PLANNED*	*$ 250,000*	$ -	$ -	$ 250,000
Z-01	Countywide Floodplain Preservation and Right of Way Acquisition	*ACTIVE*	*$ 55,800,105*	*$ 54,834,078*	*$ 20,905*	$ 945,123
Z-02	Partnership Projects with Municipalities, Authorities, and Other Districts in Harris County	*ACTIVE*	*$ 175,000,000*	*$ 91,890,259*	*$ 21,688,278*	$ 61,421,464
Z-03	Countywide Ongoing Planning	*ACTIVE*	*$ 9,500,000*	*$ 5,417,070*	*$ 1,379,775*	$ 2,703,155
Z-04	Partnership Projects with the Harris County Engineering Department	*ACTIVE*	*$ 100,000,000*	*$ 31,127,511*	*$ 1,837,991*	$ 67,034,498
Z-05	Advanced Emerging Technologies for Flood Damage Reduction	*ACTIVE*	*$ 25,000,000*	*$ 6,845,553*	*$ 519,624*	$ 17,634,823
Z-06	Bond Administration	*ACTIVE*	*$ 10,000,000*	*$ 151,400*	$ -	$ 9,848,600
Z-07	Bond Program Reserve	*ACTIVE*	*$ 86,780,100*	$ -	$ -	$ 86,780,100
Z-08	Preliminary Engineering for Large Diameter Tunnels for Stormwater Conveyance	*ACTIVE*	*$ 20,000,000*	$ -	*$ 17,465,621*	$ 2,534,379
Z-09	Upgrades and Expansion of the Harris County Flood Warning System	*ACTIVE*	*$ 1,250,000*	*$ 536,432*	*$ 49,188*	$ 664,380
Z-10	Maapnext - Harris County Floodplain Mapping Updates	*ACTIVE*	*$ 15,500,000*	$ -	*$ 603,851*	$ 14,896,149
Z-11	Countywide Communications Relating to 2018 Bond and CIP Projects	*ACTIVE*	*$ 10,000,000*	*$ 5,824,882*	*$ 1,963,299*	$ 2,211,819
Z-Buyout	Federal Grant-Funded Volunteer Home Buyouts	*ACTIVE*	*$ 94,125,000*	*$ 2,126,683*	*$ 10,000*	$ 91,988,317
Z-StormRep	Countywide Storm Repairs in Harris County	*ACTIVE*	*$ 20,070,000*	*$ 1,974,628*	*$ 258,062*	$ 17,837,310
Z-Subdiv	Harris County Engineering Department Countywide Subdivision Drainage Improvement Projects	*TRANSFERRED*	*$ -*	*$ -*	*$ -*	$ -
			2,500,000,000.00	864,016,950.97	166,323,849.97	1,469,659,199.06

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Harris County Flood Control District - 2018 Bond Program

BOND ID	TITLE	PRECINCT	2018 BOND FUNDS	PARTNER FUNDS	DISTRICT FUNDS	TOTAL FUNDS	2022 Prioritization Framework Score	2022 Prioritization Framework Quartile	Status	Encumbered	2018 Bond Spent	Partner Spent	District Spent	Total Spent
C-01	Design and Construction of Helms Stormwater Detention Basin	2	$ 600,000	$ 1,924,107	$ 2,264,074	**$ 4,788,182**	9.4	1st Quartile	ACTIVE	$ -	$ 410,582	$ 988,253	$ 1,861,878	$ 3,260,713
C-18	Design and Construction of Corps of Engineers Hunting Bayou, Section 211(f) Project	1	$ -	$ 65,000,000	$ -	**$ 65,000,000**	9.4	1st Quartile	ACTIVE	$ -	$ -	$ 7,168,858	$ 34,056,837	$ 41,225,696
C-11	Design and Construction of Project Brays Corps of Engineers Section 211(f) Project	1, 2 & 4	$ 15,678,189	$ 75,000,000	$ -	**$ 90,678,189**	9	1st Quartile	COMPLETE	$ -	$ 15,678,189	$ 75,000,000	$ -	$ 90,678,189
C-20	Mid-Reach Greens Bayou Project - Design and Construction of Channel Conveyance Improvements along Greens Bayou	1 & 2	$ 12,793,260	$ 77,899,107	$ 200,049	**$ 90,892,416**	9	1st Quartile	ACTIVE	$ 1,531,129	$ 2,873,588	$ 200,049	$ -	$ 3,073,636
C-33	Design and Construction of Aldine-Westfield Stormwater Detention Basin Improvements	1	$ 20,150,192	$ -	$ -	**$ 20,150,192**	9	1st Quartile	COMPLETE	$ 536,000	$ 17,703,843	$ 462,671	$ -	$ 18,166,514
F-07	Planning, Right-Of-Way Acquisition, Design, and Construction of Channel Conveyance Improvements on Keegans Bayou	1 & 4	$ 32,500,000	$ 12,337,304	$ -	**$ 44,837,304**	8.5	1st Quartile	ACTIVE	$ 2,121,621	$ 13,089,133	$ -	$ -	$ 13,089,133
C-34	Design and Construction of Lauder Stormwater Detention Basin Improvements	2	$ 22,358,714	$ 46,705,086	$ 376,475	**$ 69,440,275**	8.4	1st Quartile	DING ADDITIONAL	$ 2,914,569	$ 11,129,771	$ 359,581	$ 24,237,530	$ 35,726,883
F-35	Construction of Bauer-Hockley Stormwater Detention Basin Improvements	4	$ 4,036,799	$ -	$ 690,619	**$ 4,727,418**	8.3	1st Quartile	COMPLETE	$ -	$ 3,986,799	$ 740,619	$ -	$ 4,727,418
C-57	Right-of-Way Acquisition, Design and Construction of General Drainage Improvements Along F216-00-00	2	$ 8,000,000	$ -	$ -	**$ 8,000,000**	8.2	1st Quartile	ACTIVE	$ -	$ 164,563	$ -	$ -	$ 164,563
C-36	Right-Of-Way Acquisition, Design and Construction of Channel Conveyance Improvements for South Mayde Creek	4	$ 1,000,000	$ 8,341,987	$ -	**$ 9,341,987**	8.2	1st Quartile	ACTIVE	$ 685,720	$ -	$ 666,927	$ -	$ 666,927
C-28	Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-25-00 & P118-25-01	2	$ 17,350,000	$ 3,887,186	$ -	**$ 21,237,186**	8.2	1st Quartile	ACTIVE	$ 955,033	$ 5,434,206	$ -	$ 330,548	$ 5,764,755
C-08	Right-Of-Way Acquisition, Design, and Construction of Stormwater Detention Basin and Channel Conveyance Improvements along Salt Water Ditch	1	$ 12,500,000	$ 58,267,135	$ -	**$ 70,767,135**	8.2	1st Quartile	PLANNED	$ 463,120	$ 1,076,654	$ -	$ -	$ 1,076,654

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BOND ID	TITLE	PRECINCT	2018 BOND FUNDS	PARTNER FUNDS	DISTRICT FUNDS	TOTAL FUNDS	2022 Prioritization Framework Score	2022 Prioritization Framework Quartile	Status	Encumbered	2018 Bond Spent	Partner Spent	District Spent	Total Spent
C-46	Right-Of-Way Acquisition, Design and Construction of a Stormwater Detention Basin on South Mayde Creek	4	*$ 1,600,000*	*$ 25,643,478*	*$ -*	**$ 27,243,478**	8	*1st Quartile*	*ACTIVE*	*$ 1,046,400*	*$ 479,549*	*$ -*	*$ -*	*$ 479,549*
F-26	Management, Right-of-Way Acquisition and Design of the Little Cypress Creek Frontier Program	3 & 4	*$ 38,653,975*	*$ -*	*$ -*	**$ 38,653,975**	8	*1st Quartile*	*ACTIVE*	*$ 1,964,549*	*$ 35,112,342*	*$ -*	*$ -*	*$ 35,112,342*
F-27	Design and Construction of Zube Park Stormwater Detention Basin	4	*$ 9,250,000*	*$ 1,532,838*	*$ 2,500,000*	**$ 13,282,838**	8	*1st Quartile*	*ACTIVE*	*$ 101,439*	*$ 9,046,283*	*$ 696,798*	*$ 1,532,838*	*$ 11,275,919*
F-28	Right-Of-Way Acquisition, Design, and Construction of Kluge Stormwater Detention Basin	3	*$ 12,250,000*	*$ 25,390,047*	*$ -*	**$ 37,640,047**	8	*1st Quartile*	*ACTIVE*	*$ -*	*$ 10,122,536*	*$ 225*	*$ 357,475*	*$ 10,480,236*
F-95	Planning, Right-Of-Way Acquisition, Design and Construction Along C144-00-00	1	*$ 10,000,000*	*$ -*	*$ -*	**$ 10,000,000**	8	*1st Quartile*	*DING ADDITIONAL*	*$ 189,744*	*$ 1,667,658*	*$ -*	*$ -*	*$ 1,667,658*
F-09	Planning, Right-Of-Way Acquisition, Design and Construction of Little White Oak Bayou Channel Conveyance Improvements	1 & 2	*$ 30,000,000*	*$ -*	*$ -*	**$ 30,000,000**	8	*1st Quartile*	*DING ADDITIONAL*	*$ 3,247,967*	*$ 11,435,791*	*$ 23,271*	*$ -*	*$ 11,459,062*
F-02	Right-Of-Way Acquisition, Design and Construction of Hughes Stormwater Detention Basin on Clear Creek	1 & 2	*$ 6,100,000*	*$ -*	*$ -*	**$ 6,100,000**	7.8	*1st Quartile*	*ACTIVE*	*$ -*	*$ 3,015,681*	*$ -*	*$ -*	*$ 3,015,681*
F-84	Design and Construction of Secondary Outfall for John Pauls Landing for the Upper Langham Creek Program	4	*$ -*	*$ -*	*$ -*	**$ -**	7.7	*1st Quartile*	*COMPLETE*	*$ -*	*$ -*	*$ -*	*$ -*	*$ -*
C-118	Planning, Right-Of-Way Acquisition, and Design of a Reservoir along Spring Creek	3 & 4	*$ 12,500,000*	*$ -*	*$ -*	**$ 12,500,000**	7.7	*1st Quartile*	*ACTIVE*	*$ -*	*$ 225,000*	*$ -*	*$ -*	*$ 225,000*
F-56	Right-Of-Way Acquisition, Design, and Construction of a Retention Area	3 & 4	*$ 10,740,693*	*$ -*	*$ -*	**$ 10,740,693**	7.7	*1st Quartile*	*COMPLETE*	*$ -*	*$ 10,715,414*	*$ -*	*$ -*	*$ 10,715,414*
C-43	Planning, Right-of-Way Acquisition, and Design of Channel Conveyance Improvements along P138-01-01	2	*$ 5,000,000*	*$ -*	*$ -*	**$ 5,000,000**	7.7	*1st Quartile*	*ACTIVE*	*$ 107,844*	*$ 506,218*	*$ 399,443*	*$ -*	*$ 905,661*

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BOND ID	TITLE	PRECINCT	2018 BOND FUNDS	PARTNER FUNDS	DISTRICT FUNDS	TOTAL FUNDS	2022 Prioritization Framework Score	2022 Prioritization Framework Quartile	Status	Encumbered	2018 Bond Spent	Partner Spent	District Spent	Total Spent
C-14	Design and Construction of Corps of Engineers White Oak Bayou Section 211(f) Project	1 & 3	*$ 6,340,061*	*$ 45,000,000*	*$ 3,509,939*	**$ 54,850,000**	7.7	*1st Quartile*	*ACTIVE*	*$ 137,822*	*$ 5,381,488*	*$ 2,861,144*	*$ 42,505,521*	*$ 50,748,153*
C-30	Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-27-00	2	*$ 1,500,000*	*$ 31,189,643*	*$ -*	**$ 32,689,643**	7.65	*1st Quartile*	*ONGOING ADDITIONAL*	*$ 223,394*	*$ 746,745*	*$ -*	*$ -*	*$ 746,745*
C-05	Design and Construction of South Belt Stormwater Detention Basin and Rev. Lawson Stormwater Detention Basin	1	*$ 11,387,500*	*$ -*	*$ 7,112,500*	**$ 18,500,000**	7.6	*1st Quartile*	*ACTIVE*	*$ 16,074*	*$ 9,188,567*	*$ 7,624,878*	*$ -*	*$ 16,813,445*
F-38	Design of Cypress Rosehill Stormwater Detention Basin	4	*$ 1,100,000*	*$ -*	*$ -*	**$ 1,100,000**	7.6	*1st Quartile*	*ONGOING ADDITIONAL*	*$ 12,337*	*$ 193,130*	*$ -*	*$ -*	*$ 193,130*
F-83	Right-Of-Way Acquisition, Design, and Construction of General Drainage Improvements in Upper Langham Creek	4	*$ 26,000,000*	*$ -*	*$ -*	**$ 26,000,000**	7.6	*1st Quartile*	*PLANNED*	*$ -*	*$ -*	*$ 2,946*	*$ -*	*$ 2,946*
C-35	Design and Construction of Little York and Hopper Stormwater Detention Basins	2	*$ 800,000*	*$ 6,384,960*	*$ 750,000*	**$ 7,934,960**	7.6	*1st Quartile*	*ACTIVE*	*$ -*	*$ -*	*$ 85,530*	*$ 3,641,440*	*$ 3,726,970*
C-09	Right-Of-Way Acquisition, Design, and Construction of South Post Oak Stormwater Detention Basin and Channel Conveyance Improvements along C147-00-00	1	*$ 7,542,500*	*$ 54,601,147*	*$ -*	**$ 62,143,647**	7.6	*1st Quartile*	*ACTIVE*	*$ 999,632*	*$ 678,463*	*$ 788,689*	*$ -*	*$ 1,467,152*
CI-020	Investigation of Potential Detention Sites Around Cypress Creek and Stuebner Airline	3 & 4	*$ -*	*$ -*	*$ -*	**$ -**	No Score Available	*1st Quartile*	*COMPLETE*	*$ -*	*$ -*	*$ -*	*$ -*	*$ -*

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BOND ID	TITLE	PRECINCT	2018 BOND FUNDS	PARTNER FUNDS	DISTRICT FUNDS	TOTAL FUNDS	2022 Prioritization Framework Score	2022 Prioritization Framework Quartile	Status	Encumbered	2018 Bond Spent	Partner Spent	District Spent	Total Spent
CI-36	Investigation of Additional Detention Volume at K500-01-00 Stormwater Detention Basin	4	$ -	$ -	$ -	**$ -**	No Score Available	*1st Quartile*	*COMPLETE*	$ -	$ -	$ -	$ -	$ -
F-89	Design and Construction of Additional Volume in Little Cypress Creek Stormwater Detention Basins	3 & 4	$ -	$ -	$ -	**$ -**	No Score Available	*1st Quartile*	*COMPLETE*	$ -	$ -	$ -	$ -	$ -
CI-028	Design and Construction of Additional Gates on Lake Houston in Partnership with the City of Houston	1, 2 & 3	*$ 20,000,000*	*$ 35,378,215*	$ -	**$ 55,378,215**	No Score Available	*1st Quartile*	*ACTIVE*	*$ 16,388*	*$ 23,547*	$ -	$ -	*$ 23,547*
F-92	Planning, Right-Of-Way Acquisition, Design and Construction Along C116-00-00	2	*$ 10,000,000*	$ -	$ -	**$ 10,000,000**	7.5	*2nd Quartile*	*ACTIVE*	*$ 112,019*	*$ 948,356*	$ -	$ -	*$ 948,356*
F-31	Right-Of-Way Acquisition and Design of Mueschke West Stormwater Detention Basin Improvements	3 & 4	*$ 10,600,000*	$ -	$ -	**$ 10,600,000**	7.4	*2nd Quartile*	*ACTIVE*	*$ 951,774*	*$ 7,648,145*	$ -	$ -	*$ 7,648,145*
F-19	Spring Creek Right-of-Way Acquisition and Floodplain Preservation	3 & 4	*$ 25,000,000*	$ -	$ -	**$ 25,000,000**	7.25	*2nd Quartile*	*ACTIVE*	*$ 450*	*$ 7,998,036*	$ -	$ -	*$ 7,998,036*
F-36	Willow Creek Right-of-Way Acquisition and Floodplain Preservation	3 & 4	*$ 15,000,000*	$ -	$ -	**$ 15,000,000**	7.25	*2nd Quartile*	*ACTIVE*	*$ 26,149*	*$ 14,354,359*	$ -	$ -	*$ 14,354,359*
CI-039	Partnership Project with Nassau Bay to Reduce the Risk of Flooding	2	*$ 93,324*	$ -	$ -	**$ 93,324**	7.2	*2nd Quartile*	*COMPLETE*	$ -	*$ 93,324*	$ -	$ -	*$ 93,324*
F-17	Right-Of-Way Acquisition, Design and Construction of Wallisville Outfall	1 & 2	*$ 10,000,000*	$ -	$ -	**$ 10,000,000**	7.2	*2nd Quartile*	*ACTIVE*	$ -	$ -	$ -	$ -	$ -
C-10	Design and Construction of South Shaver Stormwater Detention Basin	2	*$ 15,000,000*	$ -	$ -	**$ 15,000,000**	7.2	*2nd Quartile*	*COMPLETE*	*$ 1,437,016*	*$ 9,304,946*	*$ 1,000,000*	$ -	*$ 10,304,946*
F-01	Right-Of-Way, Design, and Construction of the Morningside Place Drainage Improvements Project	1	*$ 2,950,000*	$ -	$ -	**$ 2,950,000**	7.1	*2nd Quartile*	*ACTIVE*	*$ 1,701,320*	*$ 618,092*	$ -	*$ 100,000*	*$ 718,092*

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BOND ID	TITLE	PRECINCT	2018 BOND FUNDS	PARTNER FUNDS	DISTRICT FUNDS	TOTAL FUNDS	2022 Prioritization Framework Score	2022 Prioritization Framework Quartile	Status	Encumbered	2018 Bond Spent	Partner Spent	District Spent	Total Spent
C-03	Right-Of-Way Acquisition, Design and Construction of Corps of Engineers Clear Creek Federal Flood Risk Management Project	1 & 2	*$ 70,000,000*	*$ 166,352,000*	*$ -*	**$ 236,352,000**	7.1	*2nd Quartile*	*ACTIVE*	*$ 834*	*$ 994,615*	*$ 4,360,581*	*$ 19,330,516*	*$ 24,685,712*
F-76	Identification and Design of the A700-01-00 Environmental Mitigation Bank	1 & 2	*$ 6,000,000*	*$ -*	*$ 700,000*	**$ 6,700,000**	7.1	*2nd Quartile*	*ONGOING ADDITIONAL*	*$ 331,377*	*$ 5,668,623*	*$ -*	*$ -*	*$ 5,668,623*
F-112	Right-Of-Way Acquisition, Design, and Construction of West Harris County Wetland Mitigation Bank	3 & 4	*$ 20,000,000*	*$ -*	*$ -*	**$ 20,000,000**	7.1	*2nd Quartile*	*ACTIVE*	*$ 1,214,390*	*$ 11,447,414*	*$ -*	*$ -*	*$ 11,447,414*
F-104	Right-of-Way Acquisition, Design and Construction of General Drainage Improvements in Vince Bayou Watershed	2	*$ 15,000,000*	*$ -*	*$ -*	**$ 15,000,000**	7	*2nd Quartile*	*ACTIVE*	*$ 90,947*	*$ 717,551*	*$ -*	*$ -*	*$ 717,551*
CI-027	Planning, Right-Of-Way Acquisition, Design, and Construction of Improvements for the Tributaries of C106-00-00	2	*$ 2,000,000*	*$ -*	*$ -*	**$ 2,000,000**	7	*2nd Quartile*	*COMPLETE*	*$ -*	*$ 2,000,000*	*$ -*	*$ -*	*$ 2,000,000*
F-81	Planning, Right-Of-Way Acquisition, Design and Construction Along W151-00-00 and W153-00-00	3	*$ 20,000,000*	*$ -*	*$ -*	**$ 20,000,000**	6.9	*2nd Quartile*	*ONGOING ADDITIONAL*	*$ 835,343*	*$ 174,657*	*$ -*	*$ -*	*$ 174,657*
F-14	Planning, Right-Of-Way Acquisition, Design and Construction of General Drainage Improvements Near Kingwood	3	*$ 10,000,000*	*$ 31,422,614*	*$ -*	**$ 41,422,614**	6.9	*2nd Quartile*	*ONGOING ADDITIONAL*	*$ 2,334,272*	*$ 2,878,022*	*$ -*	*$ -*	*$ 2,878,022*
F-20	Cypress Creek Right-of-Way Acquisition and Floodplain Preservation	1, 3 & 4	*$ 100,000,000*	*$ 17,285,400*	*$ -*	**$ 117,285,400**	6.85	*2nd Quartile*	*ONGOING ADDITIONAL*	*$ 40,706*	*$ 71,805,249*	*$ -*	*$ -*	*$ 71,805,249*
C-06	Right-Of-Way Acquisition, Design, and Construction of Brookglen Stormwater Detention Basin	2	*$ 2,000,000*	*$ 14,392,644*	*$ 644,097*	**$ 17,036,741**	6.8	*2nd Quartile*	*ACTIVE*	*$ 377,181*	*$ 1,355,219*	*$ 844,154*	*$ 2,416,755*	*$ 4,616,128*

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C-59	Construction of Inwood Forest Stormwater Detention Basin	1	$ 30,000,000	$ 49,944,454	$ -	**$ 79,944,454**	6.8	2nd Quartile	DING ADDITIONAL	$ 18,843,909	$ 2,513,382	$ 12,247	$ 42,402,367	$ 44,927,997
F-10	Right-Of-Way Acquisition, Design, and Construction of Channel Conveyance Improvements on Brickhouse Gully	1, 3 & 4	$ 35,000,000	$ -	$ -	**$ 35,000,000**	6.8	2nd Quartile	PLANNED	$ -	$ -	$ -	$ -	$ -
F-46	Right-Of-Way Acquisition, Design and Construction of the Q500-01 Stormwater Detention Basin	3	$ 22,900,000	$ -	$ -	**$ 22,900,000**	6.8	2nd Quartile	ACTIVE	$ 192,785	$ 793,913	$ -	$ -	$ 793,913
F-29	Right-Of-Way Acquisition and Design of Mueschke East Stormwater Detention Basin	3 & 4	$ 15,900,000	$ -	$ -	**$ 15,900,000**	6.8	2nd Quartile	ACTIVE	$ 1,099,719	$ 12,751,204	$ -	$ -	$ 12,751,204
C-23	Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-08-00	1	$ 5,500,000	$ 29,505,733	$ -	**$ 35,005,733**	6.75	2nd Quartile	ACTIVE	$ 831,486	$ 3,604,463	$ 12,917	$ -	$ 3,617,381
F-99	Right-Of-Way and Design of Conveyance Improvements along Armand Bayou	2	$ 10,000,000	$ -	$ -	**$ 10,000,000**	6.7	2nd Quartile	DING ADDITIONAL	$ 35,097	$ 936,443	$ -	$ -	$ 936,443
C-41	Planning, Right-Of-Way, Design and Construction of Halls Bayou Flood Risk Management Project	1 & 2	$ 11,460,000	$ 132,347,865	$ -	**$ 143,807,865**	6.7	2nd Quartile	ACTIVE	$ 437,220	$ 4,227,022	$ 1,373	$ 460,566	$ 4,688,961
C-37	Design of West Little York Stormwater Detention Basin	4	$ 500,000	$ -	$ -	**$ 500,000**	6.7	2nd Quartile	ACTIVE	$ 1,000	$ 230	$ -	$ -	$ 230
C-07	Design and Construction of Genoa Red Bluff Stormwater Detention Basin	2	$ 4,750,000	$ -	$ -	**$ 4,750,000**	6.7	2nd Quartile	ACTIVE	$ 690,554	$ 2,935,109	$ 18,279	$ -	$ 2,953,388
C-32	Design and Construction of the Cutten Road Stormwater Detention Basin Improvements	1	$ 16,181,425	$ -	$ -	**$ 16,181,425**	6.6	2nd Quartile	COMPLETE	$ 110,203	$ 7,732,149	$ 7,282,830	$ -	$ 15,014,979
C-47	Design and Construction of a Bridge Replacement for Greenhouse Road at South Mayde Creek	4	$ -	$ -	$ -	**$ -**	6.5	2nd Quartile	COMPLETE	$ -	$ -	$ -	$ -	$ -
CI-023	Right-Of-Way, Design and Construction of Conveyance Improvements along Horsepen Bayou	2	$ 12,463,254	$ -	$ -	**$ 12,463,254**	6.5	2nd Quartile	DING ADDITIONAL	$ 191,187	$ 1,612,115	$ 5,555	$ -	$ 1,617,669

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F-24	Identification, Design and Construction of the K700-01 Environmental Mitigation Bank	4	$ 9,300,000	$ -	$ -	**$ 9,300,000**	6.5	2nd Quartile	COMPLETE	$ 7,994	$ 4,823,855	$ 389,180	$ 53,135	$ 5,266,170
F-30	Right-Of-Way Acquisition and Design of Schiel Stormwater Detention Basin	3 & 4	$ 16,000,000	$ -	$ -	**$ 16,000,000**	6.5	2nd Quartile	ACTIVE	$ 1,003,840	$ 5,111,373	$ 7,180	$ -	$ 5,118,553
F-94	Planning, Right-Of-Way Acquisition, Design and Construction Along C143-00-00	1	$ 10,000,000	$ -	$ -	**$ 10,000,000**	6.5	2nd Quartile	ACTIVE	$ -	$ 145,453	$ -	$ -	$ 145,453
C-24	Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-09-00	1	$ 2,200,000	$ 3,413,158	$ -	**$ 5,613,158**	6.45	2nd Quartile	DING ADDITIONAL	$ 222,145	$ 454,731	$ -	$ -	$ 454,731
F-08	Planning, Right-Of-Way Acquisition, Design, and Construction of Channel Conveyance Improvements on Fondren Diversion Channel	1 & 4	$ 30,500,000	$ -	$ -	**$ 30,500,000**	6.4	2nd Quartile	ACTIVE	$ -	$ 547,188	$ -	$ -	$ 547,188
CI-035	Update to 2003 Texas Water Development Board Cypress Creek Tributary Study and Investigate Expanding Stormwater Detention Basins in Cypress Creek Watershed	1, 3 & 4	$ 722,864	$ -	$ -	**$ 722,864**	6.4	2nd Quartile	COMPLETE	$ -	$ 696,593	$ 26,271	$ -	$ 722,864
F-71	Investigations of General Drainage Improvements in Willow Creek Watershed	3 & 4	$ -	$ 800,000	$ -	**$ 800,000**	6.4	2nd Quartile	COMPLETE	$ -	$ -	$ -	$ 799,999	$ 799,999
F-51	Luce Bayou Right-of-Way Acquisition and Floodplain Preservation	3	$ 5,000,000	$ -	$ -	**$ 5,000,000**	6.35	2nd Quartile	ACTIVE	$ -	$ -	$ -	$ -	$ -
F-120	Right-Of-Way Acquisition, Design, and Construction of General Drainage Improvements in Goose Creek watershed	2	$ 25,000,000	$ -	$ -	**$ 25,000,000**	6.3	2nd Quartile	DING ADDITIONAL	$ 26,492	$ 3,793,738	$ -	$ -	$ 3,793,738
F-106	Right-Of-Way Acquisition, Design, and Construction of the Boudreaux Stormwater Detention Basin	3	$ 15,000,000	$ 38,670,778	$ -	**$ 53,670,778**	6.3	2nd Quartile	ACTIVE	$ 2,591,782	$ 1,215,821	$ -	$ -	$ 1,215,821

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F-44	Right-of-Way Acquisition, Design and Construction of Channel Conveyance Improvements along Q130-00-00	3	$ 18,000,000	$ -	$ -	**$ 18,000,000**	6.25	2nd Quartile	ACTIVE	$ 147,274	$ 6,818,594	$ -	$ -	$ 6,818,594
F-54	Construction of Control Structures and Stormwater Quality Features for the Upper Langham Creek Program	3 & 4	$ 10,000,000	$ -	$ -	**$ 10,000,000**	6.2	2nd Quartile	ACTIVE	$ -	$ 3,176,924	$ 17,186	$ -	$ 3,194,110
C-13	Planning, Right-Of-Way, Design and Construction of Conveyance Improvements along Bintliff Ditch	4	$ 7,500,000	$ -	$ -	**$ 7,500,000**	6.2	2nd Quartile	DING ADDITIONAL	$ -	$ -	$ -	$ -	$ -
C-16	Design and Construction of Woodland Trails Stormwater Detention Basin	1	$ 7,750,000	$ -	$ -	**$ 7,750,000**	6.2	2nd Quartile	ACTIVE	$ 361,343	$ 1,411,920	$ -	$ -	$ 1,411,920
C-26	Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-23-00 and P118-23-02	2	$ 7,400,000	$ 55,990,126	$ -	**$ 63,390,126**	6.2	2nd Quartile	ACTIVE	$ 1,670,310	$ 1,905,737	$ -	$ -	$ 1,905,737
C-48	Right-Of-Way Acquisition, Design and Construction of a Stormwater Detention Basin on South Mayde Creek near the Grand Parkway	4	$ 9,400,000	$ 11,469,036	$ -	**$ 20,869,036**	6.1	2nd Quartile	ACTIVE	$ 1,395,948	$ 4,269,393	$ -	$ -	$ 4,269,393
CI-006	Design and Construction of a Stormwater Detention Basin in Brock Park	1	$ 5,000,000	$ -	$ -	**$ 5,000,000**	6.1	2nd Quartile	DING ADDITIONAL	$ -	$ -	$ -	$ -	$ -
C-44	Armand Bayou Right-of-Way Acquisition and Floodplain Preservation	2	$ 2,000,000	$ 9,340,000	$ -	**$ 11,340,000**	6.05	2nd Quartile	ACTIVE	$ -	$ 6,400,000	$ 10,870	$ -	$ 6,410,870
C-40	Corps of Engineers Section 216 Study - Addicks and Barker Reservoirs	Countywide	$ -	$ 7,738,303	$ -	**$ 7,738,303**	6	2nd Quartile	ACTIVE	$ -	$ -	$ 1,738,303	$ -	$ 1,738,303
F-124	Investigations of General Drainage Improvements along Carpenters Bayou	1, 2 & 3	$ 498,933	$ -	$ -	**$ 498,933**	6	2nd Quartile	COMPLETE	$ -	$ 498,933	$ -	$ -	$ 498,933
F-121	Investigations of General Drainage Improvements in Goose Creek watershed	2 & 3	$ -	$ 550,000	$ -	**$ 550,000**	6	2nd Quartile	COMPLETE	$ -	$ -	$ -	$ 504,005	$ 504,005

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F-39	Investigations of General Drainage Improvements on Spring Gully	2 & 3	$ -	$ 450,000	$ 348,310	**$ 798,310**	6	2nd Quartile	COMPLETE	$ -	$ -	$ 348,310	$ 448,999	$ 797,309
F-73	Investigations of General Drainage Improvements in Jackson Bayou Watershed	3	$ -	$ 450,000	$ -	**$ 450,000**	6	2nd Quartile	COMPLETE	$ -	$ -	$ -	$ 346,646	$ 346,646
F-75	Investigations of General Drainage Improvements along Spring Creek	3 & 4	$ -	$ 450,000	$ -	**$ 450,000**	6	2nd Quartile	COMPLETE	$ -	$ -	$ -	$ 440,880	$ 440,880
F-48	Design and Construction of Crosby Eastgate Environmental Mitigation Bank	3	$ 1,000,000	$ -	$ -	**$ 1,000,000**	5.7	2nd Quartile	ACTIVE	$ 220,453	$ 627,045	$ -	$ -	$ 627,045
F-88	Right-Of-Way Acquisition, Design and Construction of Stormwater Detention Basins in Large Buyout Areas	1 & 3	$ 25,000,000	$ 23,631,940	$ -	**$ 48,631,940**	5.7	2nd Quartile	PLANNED	$ 1,814,230	$ 12,609,956	$ -	$ 10,813,901	$ 23,423,857
F-101	Investigations of General Drainage Improvements in Galveston Bay Watershed	2	$ -	$ 450,000	$ -	**$ 450,000**	5.6	2nd Quartile	COMPLETE	$ -	$ -	$ -	$ -	$ -
C-31	Design and Construction of the Smith Road Channel Diversion	3	$ 5,342,198	$ 6,657,802	$ -	**$ 12,000,000**	5.6	2nd Quartile	DING ADDITIONAL	$ 339,079	$ 4,964,609	$ 34,318	$ 6,532,860	$ 11,531,787
F-41	Right-of-Way Acquisition, Design and Construction of Channel Conveyance Improvements along Clawson Ditch Q122-00-00 and Tributaries	3	$ 19,000,000	$ -	$ -	**$ 19,000,000**	5.45	2nd Quartile	ACTIVE	$ -	$ 1,864,340	$ -	$ -	$ 1,864,340

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F-34	Right-Of-Way Acquisition and Design of Mason Stormwater Detention Basin	4	*$ 13,000,000*	*$ -*	*$ 100,000*	**$ 13,100,000**	5.45	*2nd Quartile*	*DING ADDITIONAL*	*$ 459,933*	*$ 9,825,026*	*$ -*	*$ -*	*$ 9,825,026*
CI-031	District Cost Share of Study with the City of Houston on Wallisville Outfall	1 & 2	*$ 648,092*	*$ -*	*$ -*	**$ 648,092**	5.4	*2nd Quartile*	*COMPLETE*	*$ -*	*$ 648,092*	*$ -*	*$ -*	*$ 648,092*
F-78	Investigations of General Drainage Improvements in Vince Bayou Watershed	2	*$ -*	*$ 550,000*	*$ -*	**$ 550,000**	5.2	*2nd Quartile*	*COMPLETE*	*$ -*	*$ -*	*$ -*	*$ 545,714*	*$ 545,714*
F-45	Planning, Right-Of-Way Acquisition, Design and Construction of Channel Conveyance Improvements on Q134-00-00 and Q134-00-01	3	*$ 22,000,000*	*$ 5,000,000*	*$ -*	**$ 27,000,000**	5.15	*2nd Quartile*	*ACTIVE*	*$ 229,446*	*$ 1,930,946*	*$ -*	*$ -*	*$ 1,930,946*
F-47	Right-Of-Way Acquisition, Design and Construction of Stormwater Detention Basins near Coastal Water Authority canals and IH 10	3	*$ 19,900,000*	*$ -*	*$ -*	**$ 19,900,000**	5.15	*2nd Quartile*	*ACTIVE*	*$ 302,860*	*$ 529,565*	*$ -*	*$ -*	*$ 529,565*
F-32	Right-Of-Way Acquisition and Design of Hegar Stormwater Detention Basin Improvements	4	*$ 11,800,000*	*$ -*	*$ -*	**$ 11,800,000**	5.15	*2nd Quartile*	*DING ADDITIONAL*	*$ 1,107,771*	*$ 7,752,570*	*$ -*	*$ -*	*$ 7,752,570*
F-37	Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on M124-00-00 Downstream of SH 249	3 & 4	*$ 21,000,000*	*$ 63,000,000*	*$ -*	**$ 84,000,000**	5.15	*2nd Quartile*	*ACTIVE*	*$ 771,425*	*$ 18,225,805*	*$ 58,419*	*$ -*	*$ 18,284,224*
F-111	Planning, Right-Of-Way Acquisition, Design and Construction of General Drainage Improvements East of Lake Houston	2 & 3	*$ 10,000,000*	*$ 12,839,419*	*$ -*	**$ 22,839,419**	5.1	*2nd Quartile*	*ACTIVE*	*$ 800,000*	*$ 371,245*	*$ -*	*$ -*	*$ 371,245*
F-98	Right-Of-Way and Design of General Drainage Improvements in Galveston Bay Watershed	2	*$ 4,000,000*	*$ -*	*$ -*	**$ 4,000,000**	5.1	*2nd Quartile*	*ACTIVE*	*$ 244,552*	*$ 593,247*	*$ -*	*$ -*	*$ 593,247*

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CI-026	Investigation of City of Houston Properties for Conversion to Stormwater Detention Basins	Countywide	*$ 250,000*	$ -	$ -	**$ 250,000**	5	*3rd Quartile*	*DING ADDITIONAL*	$ -	$ -	$ -	$ -	$ -
CI-62	Planning, Right-Of-Way, Design, and Construction of the Friendswood Regional Stormwater Detention Basin and the Whitcomb Terracing and Detention Project	2	*$ 5,000,000*	*$ 46,000,000*	$ -	**$ 51,000,000**	4.95	*3rd Quartile*	*ACTIVE*	*$ 1,882,439*	*$ 262,672*	*$ 663,700*	*$ 3,662,195*	*$ 4,588,567*
C-39	Right-of-Way Acquisition, Design and Construction of the North Canal	1	*$ 20,000,000*	*$ 111,249,359*	$ -	**$ 131,249,359**	4.9	*3rd Quartile*	*DING ADDITIONAL*	$ -	*$ 20,000,000*	$ -	$ -	*$ 20,000,000*
CI-012	Major Maintenance of Cypress Creek and Tributaries	1 & 3	*$ 61,000,000*	*$ 57,818,575*	$ -	**$ 118,818,575**	4.85	*3rd Quartile*	*DING ADDITIONAL*	*$ 9,804,510*	*$ 46,731,903*	*$ 2,354,807*	$ -	*$ 49,086,710*
CI-021	Brookglen Flooding Mitigation Analysis	2	*$ 210,795*	$ -	$ -	**$ 210,795**	4.8	*3rd Quartile*	*COMPLETE*	$ -	*$ 210,795*	$ -	$ -	*$ 210,795*
F-96	Investigations of General Drainage Improvements in Armand Bayou Watershed	2	$ -	*$ 950,000*	*$ 250,000*	**$ 1,200,000**	4.8	*3rd Quartile*	*COMPLETE*	$ -	$ -	*$ 65,607*	*$ 950,000*	*$ 1,015,607*
F-23	Construction of Channel Conveyance Improvements Along K163-00-00	3	*$ 7,771,579*	$ -	*$ 54,973*	**$ 7,826,552**	4.8	*3rd Quartile*	*COMPLETE*	$ -	*$ 7,670,002*	*$ 61,398*	$ -	*$ 7,731,400*
C-17	San Jacinto River Watershed Study	Countywide	*$ 245,606*	*$ 2,505,092*	*$ 27,282*	**$ 2,777,981**	4.8	*3rd Quartile*	*COMPLETE*	$ -	*$ 129,093*	*$ 4,040*	*$ 2,644,848*	*$ 2,777,981*
C-52	Rehabilitation of Channels Inside of Addicks Reservoir to Restore Channel Conveyance Capacity	4	*$ 10,000,000*	$ -	$ -	**$ 10,000,000**	4.65	*3rd Quartile*	*ACTIVE*	*$ 703,815*	*$ 896,832*	$ -	$ -	*$ 896,832*
F-85	Investigations of General Drainage Improvements along Luce Bayou	3	$ -	*$ 450,000*	$ -	**$ 450,000**	4.6	*3rd Quartile*	*COMPLETE*	$ -	$ -	$ -	*$ 443,849*	*$ 443,849*

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CI-016	Investigations of Bridges, Potential Channel Bypasses and other Alternatives along Buffalo Bayou	Countywide	$ 371,420	$ -	$ -	$ 371,420	4.6	3rd Quartile	COMPLETE	$ -	$ 371,420	$ -	$ -	$ 371,420
F-33	Construction of Kleb Woods Stormwater Detention Basin Improvements	4	$ 3,700,000	$ -	$ 9,000	$ 3,709,000	4.55	3rd Quartile	COMPLETE	$ -	$ 2,727,797	$ 715,066	$ -	$ 3,442,864
C-15	Design and Construction of Arbor Oaks Stormwater Detention Basin	1	$ 2,700,000	$ 44,988,661	$ 4,750,000	$ 52,438,661	4.45	3rd Quartile	ACTIVE	$ 62,000	$ 2,632,858	$ 2,283,950	$ 1,385,433	$ 6,302,241
CI-034	Investigation of Channel Improvements Upstream of Fondren Road on Brays Bayou	1 & 4	$ 250,000	$ -	$ -	$ 250,000	4.45	3rd Quartile	COMPLETE	$ -	$ 201,719	$ -	$ -	$ 201,719
C-25	Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-21-00	2	$ 10,253,184	$ 10,782,866	$ -	$ 21,036,050	4.45	3rd Quartile	COMPLETE	$ 12,123	$ 2,217,024	$ 61,720	$ 16,193,934	$ 18,472,678
CI-010	Partnership Project with Jersey Village on Design of General Drainage Improvements along E127-00-00	3	$ 1,500,000	$ -	$ -	$ 1,500,000	4.3	3rd Quartile	COMPLETE	$ -	$ 1,500,000	$ -	$ -	$ 1,500,000
F-43	Right-of-Way Acquisition, Design and Construction of Channel Conveyance Improvements along Adlong Ditch	3	$ 20,000,000	$ -	$ -	$ 20,000,000	4.25	3rd Quartile	ACTIVE	$ 41,000	$ 4,224,661	$ -	$ -	$ 4,224,661
F-40	Repairs and Enhancements to the Lower Greens Bayou Regional Detention Embankment and Control Structure	1	$ 2,412,246	$ -	$ -	$ 2,412,246	4.25	3rd Quartile	COMPLETE	$ -	$ 2,369,719	$ 42,528	$ -	$ 2,412,246
C-12	Design and Construction of Conveyance Improvements along Poor Farm Ditch	1	$ 4,500,000	$ 27,086,000	$ -	$ 31,586,000	4.2	3rd Quartile	ACTIVE	$ 534,022	$ 309,372	$ 28,995	$ -	$ 338,367
F-108	Construction of the Luce Bayou Stormwater Detention Basin	3	$ 18,000,000	$ -	$ -	$ 18,000,000	4.2	3rd Quartile	ACTIVE	$ -	$ 5,236,310	$ -	$ -	$ 5,236,310
CI-60	Planning, Right-Of-Way, Design and Construction of Conveyance Improvements along Panther Creek	1 & 2	$ 10,000,000	$ -	$ -	$ 10,000,000	4.15	3rd Quartile	DING ADDITIONAL	$ 156,468	$ 1,746,843	$ -	$ -	$ 1,746,843
F-119	Right-of-Way Acquisition and Design of General Drainage Improvements along Spring Creek	3	$ 10,000,000	$ -	$ -	$ 10,000,000	4.05	3rd Quartile	ACTIVE	$ 169,183	$ 477,216	$ -	$ -	$ 477,216
CI-025	Investigation of Additional Stormwater Detention Basins in the Brays Bayou Watershed	1 & 4	$ 200,000	$ -	$ -	$ 200,000	4	3rd Quartile	ACTIVE	$ -	$ -	$ -	$ -	$ -
CI-032	Investigation of Additional Stormwater Detention Basins in the White Oak Bayou Watershed	Countywide	$ 250,000	$ -	$ -	$ 250,000	4	3rd Quartile	ACTIVE	$ -	$ 106,230	$ -	$ -	$ 106,230

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BOND ID	TITLE	PRECINCT	2018 BOND FUNDS	PARTNER FUNDS	DISTRICT FUNDS	TOTAL FUNDS	2022 Prioritization Framework Score	2022 Prioritization Framework Quartile	Status	Encumbered	2018 Bond Spent	Partner Spent	District Spent	Total Spent
CI-033	Partnership Project with City of Houston on Planning, Right-of-Way Acquisition, Design, and Construction of General Drainage Improvements along E105-00-00	4	$ 1,000,000	$ -	$ -	$ 1,000,000	4	3rd Quartile	DING ADDITIONAL	$ -	$ -	$ -	$ -	$ -
F-110	Planning, Right-Of-Way Acquisition, and Design of General Drainage Improvements Near Huffman	3	$ 5,000,000	$ -	$ -	$ 5,000,000	3.95	3rd Quartile	ACTIVE	$ 137,643	$ 1,141,484	$ -	$ -	$ 1,141,484
CI-022	Right-Of-Way, Design, and Construction of Stormwater Detention Basin Near P130-05-00	1	$ -	$ -	$ 700,000	$ 700,000	3.9	3rd Quartile	COMPLETE	$ -	$ -	$ 125,844	$ -	$ 125,844
F-107	Right-of-Way Acquisition, Design and Construction of General Drainage Improvements in Jackson Bayou Watershed	3	$ 10,000,000	$ 9,064,015	$ -	$ 19,064,015	3.9	3rd Quartile	ACTIVE	$ 648,915	$ 401,923	$ 3,647	$ -	$ 405,570
F-22	Restore Channel Conveyance Capacity Along Pillot Gully	3	$ 3,598,062	$ 129,162	$ 21,273	$ 3,748,497	3.85	3rd Quartile	COMPLETE	$ 9,065	$ 3,588,997	$ 129,162	$ 21,273	$ 3,739,432
F-93	Planning, Right-Of-Way Acquisition, Design and Construction Along C124-00-00	1	$ 10,000,000	$ -	$ -	$ 10,000,000	3.85	3rd Quartile	ACTIVE	$ -	$ 7,029,371	$ -	$ -	$ 7,029,371
F-53	Rehabilitation of Channels Upstream of Addicks Reservoir to Restore Channel Conveyance Capacity	3 & 4	$ 40,000,000	$ 21,560,048	$ -	$ 61,560,048	3.85	3rd Quartile	ACTIVE	$ 1,027,217	$ 38,525,833	$ 4,602,511	$ -	$ 43,128,344
F-52	Rehabilitation of Channels Upstream of Barker Reservoir to Restore Channel Conveyance Capacity	4	$ 20,000,000	$ 7,542,008	$ -	$ 27,542,008	3.85	3rd Quartile	ACTIVE	$ 4,406,770	$ 9,069,564	$ 200	$ -	$ 9,069,764
C-58	Right-of-Way Acquisition, Design and Construction of General Drainage Improvements Along F101-06-00	2	$ 6,000,000	$ -	$ -	$ 6,000,000	3.85	3rd Quartile	ACTIVE	$ 20,009	$ 494,782	$ -	$ -	$ 494,782
F-58	Construction of Linear Detention on Buffalo Bayou	4	$ 10,000,000	$ -	$ -	$ 10,000,000	3.8	3rd Quartile	ACTIVE	$ -	$ -	$ -	$ -	$ -
CI-019	Investigations of Potential Detention Sites Around Glendale Dredge Site in Partnership with the City of Houston	1	$ 50,000	$ -	$ -	$ 50,000	3.8	3rd Quartile	DING ADDITIONAL	$ -	$ -	$ -	$ -	$ -
CI-013	Restore Channel Conveyance Capacity on A104-00-00	2	$ 5,000,000	$ -	$ -	$ 5,000,000	3.65	3rd Quartile	DING ADDITIONAL	$ -	$ -	$ -	$ -	$ -
F-69	Right-Of-Way Acquisition, Design and Construction of channel conveyance improvements on Q136-00-00	3	$ 10,500,000	$ -	$ -	$ 10,500,000	3.65	3rd Quartile	ACTIVE	$ 171,385	$ 1,312,157	$ -	$ -	$ 1,312,157
F-79	Planning, Right-Of-Way Acquisition, Design and Construction Along W157-00-00	4	$ 10,000,000	$ -	$ -	$ 10,000,000	3.6	3rd Quartile	ACTIVE	$ 20,062	$ 379,938	$ -	$ -	$ 379,938

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BOND ID	TITLE	PRECINCT	2018 BOND FUNDS	PARTNER FUNDS	DISTRICT FUNDS	TOTAL FUNDS	2022 Prioritization Framework Score	2022 Prioritization Framework Quartile	Status	Encumbered	2018 Bond Spent	Partner Spent	District Spent	Total Spent
C-38	Design and Construction of Dinner Creek Stormwater Detention Basin	4	*$ 3,750,000*	*$ 68,801,260*	*$ -*	**$ 72,551,260**	3.55	*3rd Quartile*	*ACTIVE*	*$ 2,351,416*	*$ 1,097,742*	*$ -*	*$ -*	*$ 1,097,742*
C-53	Rehabilitation of Channels Inside of Barker Reservoir to Restore Channel Conveyance Capacity	4	*$ 10,000,000*	*$ -*	*$ -*	**$ 10,000,000**	3.45	*3rd Quartile*	*DING ADDITIONAL*	*$ 532,239*	*$ 375,854*	*$ -*	*$ -*	*$ 375,854*
F-70	Right-Of-Way Acquisition, Design and Construction of Channel Conveyance Improvements and Stormwater Detention Basin Upstream of FM 1960	3	*$ 74,000,000*	*$ -*	*$ -*	**$ 74,000,000**	3.45	*3rd Quartile*	*DING ADDITIONAL*	*$ 393,247*	*$ 3,298,376*	*$ -*	*$ -*	*$ 3,298,376*
CI-59	Planning, Right-Of-Way, Design, and Construction of Conveyance Improvements along Lower Hunting Bayou	1 & 2	*$ 10,000,000*	*$ -*	*$ -*	**$ 10,000,000**	3.45	*3rd Quartile*	*DING ADDITIONAL*	*$ 75,719*	*$ 531,336*	*$ -*	*$ -*	*$ 531,336*
CI-029	Restore Channel Conveyance Capacity Along C102-00-00	2	*$ 15,000,000*	*$ 10,000,000*	*$ -*	**$ 25,000,000**	3.45	*3rd Quartile*	*ACTIVE*	*$ 570,809*	*$ 267,598*	*$ -*	*$ -*	*$ 267,598*
F-21	Restore Channel Conveyance Capacity on K129-00-00	3	*$ -*	*$ -*	*$ 3,972,143*	**$ 3,972,143**	3.25	*3rd Quartile*	*COMPLETE*	*$ -*	*$ -*	*$ 3,972,143*	*$ -*	*$ 3,972,143*
CI-024	Investigation of Effectiveness of Micro-Detention in the Buffalo Bayou Watershed	Countywide	*$ 200,000*	*$ -*	*$ -*	**$ 200,000**	3.2	*3rd Quartile*	*DING ADDITIONAL*	*$ -*	*$ -*	*$ -*	*$ -*	*$ -*
CI-030	Right-of-Way Acquisition, Design and Construction of General Drainage Improvements along Turkey Gully	1	*$ 10,000,000*	*$ -*	*$ -*	**$ 10,000,000**	3.1	*3rd Quartile*	*DING ADDITIONAL*	*$ 289,183*	*$ 593,972*	*$ 2,937*	*$ -*	*$ 596,909*
CI-009	Partnership Project with Fort Bend County on Right-of-Way Acquisition, Design, and Construction of General Drainage Improvements along Clodine Ditch	4	*$ -*	*$ -*	*$ -*	**$ -**	3.1	*3rd Quartile*	*COMPLETE*	*$ -*	*$ -*	*$ -*	*$ -*	*$ -*
F-55	Planning, Right-Of-Way Acquisition, Design, and Construction for Ultimate Conveyance on Bear Creek	3 & 4	*$ 25,000,000*	*$ -*	*$ -*	**$ 25,000,000**	3.05	*3rd Quartile*	*DING ADDITIONAL*	*$ -*	*$ 13,380,019*	*$ -*	*$ -*	*$ 13,380,019*
F-109	Right-Of-Way Acquisition, Design, and Construction of General Drainage Improvements on Spring Gully	2	*$ 11,000,000*	*$ -*	*$ -*	**$ 11,000,000**	3.05	*3rd Quartile*	*ACTIVE*	*$ 6*	*$ 363,354*	*$ -*	*$ -*	*$ 363,354*
CI-011	Partnership Project with the City of Houston for Feasibility Study of General Drainage Improvements around Hidden Lake Townhomes	1	*$ 175,000*	*$ -*	*$ -*	**$ 175,000**	3	*3rd Quartile*	*ACTIVE*	*$ -*	*$ -*	*$ -*	*$ -*	*$ -*
F-82	Demolition of 1119 Commerce Street and Slope Stabilization Along Buffalo Bayou	2	*$ 4,604,930*	*$ -*	*$ 307,371*	**$ 4,912,301**	2.95	*3rd Quartile*	*COMPLETE*	*$ -*	*$ 4,604,930*	*$ 54,723*	*$ -*	*$ 4,659,653*

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BOND ID	TITLE	PRECINCT	2018 BOND FUNDS	PARTNER FUNDS	DISTRICT FUNDS	TOTAL FUNDS	2022 Prioritization Framework Score	2022 Prioritization Framework Quartile	Status	Encumbered	2018 Bond Spent	Partner Spent	District Spent	Total Spent
C-50	Funding for Future Partnership Projects Based on Results of the San Jacinto River Watershed Study	1, 2 & 3	*$ 18,750,000*	$ -	$ -	**$ 18,750,000**	2.95	*3rd Quartile*	*ACTIVE*	$ -	*$ 162,500*	$ -	$ -	*$ 162,500*
CI-037	Restore Channel Conveyance Capacity Along C146-00-00	1	*$ 15,000,000*	$ -	$ -	**$ 15,000,000**	2.85	*3rd Quartile*	*ONGOING ADDITIONAL*	$ -	$ -	$ -	$ -	$ -
CI-038	Restore Channel Conveyance Capacity Along D115-00-00	4	*$ 15,000,000*	$ -	$ -	**$ 15,000,000**	2.85	*3rd Quartile*	*PLANNED*	$ -	$ -	$ -	$ -	$ -
CI-003	Rehabilitation of the A214-00-00 channel to Restore Channel Conveyance Capacity	2	*$ 500,000*	$ -	$ -	**$ 500,000**	2.85	*3rd Quartile*	*ONGOING ADDITIONAL*	$ -	$ -	$ -	$ -	$ -
CI-001	Rehabilitation of the Clear Creek channel to Restore Channel Conveyance Capacity	1 & 2	*$ -*	*$ 157,772*	$ -	**$ 157,772**	2.55	*3rd Quartile*	*COMPLETE*	$ -	$ -	*$ 157,772*	$ -	*$ 157,772*
F-72	Design and Construction of the Baywood Stormwater Detention Basin	2	*$ 2,000,000*	$ -	$ -	**$ 2,000,000**	2.35	*4th Quartile*	*ONGOING ADDITIONAL*	*$ 290,269*	*$ 1,678,695*	*$ 153,605*	$ -	*$ 1,832,300*
F-15	Planning, Right-Of-Way Acquisition, Design and Construction of General Drainage Improvements Near Atascocita	1 & 3	*$ 10,000,000*	$ -	$ -	**$ 10,000,000**	2.35	*4th Quartile*	*PLANNED*	*$ 10,770*	*$ 541,586*	$ -	$ -	*$ 541,586*
CI-017	Phased Implementation of Additional Storage and Conveyance Improvements along Buffalo Bayou and Tributaries	Countywide	*$ 30,000,000*	$ -	$ -	**$ 30,000,000**	2.3	*4th Quartile*	*PLANNED*	$ -	$ -	$ -	$ -	$ -
F-59	Spring Branch Creek Stabilization	4	*$ -*	*$ 8,546,468*	$ -	**$ 8,546,468**	2.25	*4th Quartile*	*COMPLETE*	$ -	$ -	*$ 8,546,468*	$ -	*$ 8,546,468*
F-42	Right-of-Way Acquisition, Design and Construction of Channel Conveyance Improvements along Magee Gully	2 & 3	*$ 33,000,000*	$ -	$ -	**$ 33,000,000**	2.25	*4th Quartile*	*ACTIVE*	*$ 274,615*	*$ 814,182*	$ -	$ -	*$ 814,182*
F-80	Planning, Right-Of-Way Acquisition, Design and Construction Along Soldiers Creek	4	*$ 10,000,000*	$ -	$ -	**$ 10,000,000**	1.75	*4th Quartile*	*ACTIVE*	*$ 520,519*	*$ 195,676*	*$ 135,962*	$ -	*$ 331,638*
CI-018	Rehabilitation of W140-00-00 to Restore Channel Conveyance Capacity	4	*$ 2,000,000*	$ -	$ -	**$ 2,000,000**	1.45	*4th Quartile*	*ONGOING ADDITIONAL*	*$ 67,135*	*$ 220,851*	$ -	$ -	*$ 220,851*
CI-61	East Fork, West Fork and Lake Houston Dredging	1, 2 & 3	*$ 10,000,000*	*$ 40,000,000*	$ -	**$ 50,000,000**	1.15	*4th Quartile*	*COMPLETE*	*$ 2,721,374*	*$ 7,278,626*	$ -	$ -	*$ 7,278,626*

Attachment I

BOND ID	TITLE	PRECINCT	2018 BOND FUNDS	PARTNER FUNDS	DISTRICT FUNDS	TOTAL FUNDS	2022 Prioritization Framework Score	2022 Prioritization Framework Quartile	Status	Encumbered	2018 Bond Spent	Partner Spent	District Spent	Total Spent
F-123	Bond implementation Management (BIM) of the Right-of-Way Acquisition, Design and Construction in Cedar Bayou Watershed	2 & 3	*$ 9,200,000*	$ -	$ -	**$ 9,200,000**	N/A	*N/A*	*ONGOING ADDITIONAL*	*$ 1,916,379*	*$ 6,489,618*	$ -	$ -	*$ 6,489,618*
F-122	Bond implementation Management (BIM) of the Right-of-Way Acquisition, Design and Construction in Halls Bayou Watershed	1 & 2	*$ 48,040,000*	$ -	$ -	**$ 48,040,000**	N/A	*N/A*	*ACTIVE*	*$ 27,832,357*	*$ 17,415,948*	$ -	$ -	*$ 17,415,948*
Z-01	Countywide Floodplain Preservation and Right of Way Acquisition	Countywide	*$ 55,800,105*	$ -	$ -	**$ 55,800,105**	N/A	*N/A*	*ACTIVE*	*$ 20,905*	*$ 54,834,078*	*$ 93,285*	$ -	*$ 54,927,362*
Z-02	Partnership Projects with Municipalities, Authorities, and Other Districts in Harris County	Countywide	*$ 175,000,000*	*$ 260,501,123*	$ -	**$ 435,501,123**	N/A	*N/A*	*ACTIVE*	*$ 21,688,278*	*$ 91,890,259*	*$ 590,547*	*$ 11,345,647*	*$ 103,826,453*
Z-03	Countywide Ongoing Planning	Countywide	*$ 9,500,000*	*$ 2,500,000*	$ -	**$ 12,000,000**	N/A	*N/A*	*ACTIVE*	*$ 1,379,775*	*$ 5,417,070*	*$ 108,459*	*$ 2,398,834*	*$ 7,924,363*
Z-04	Partnership Projects with the Harris County Engineering Department	Countywide	*$ 100,000,000*	$ -	$ -	**$ 100,000,000**	N/A	*N/A*	*ACTIVE*	*$ 1,837,991*	*$ 31,127,511*	*$ 203,172*	*$ 3,182,000*	*$ 34,512,683*
Z-05	Advanced Emerging Technologies for Flood Damage Reduction	Countywide	*$ 25,000,000*	$ -	$ -	**$ 25,000,000**	N/A	*N/A*	*ACTIVE*	*$ 519,624*	*$ 6,845,553*	$ -	*$ 335,364*	*$ 7,180,917*
Z-06	Bond Administration	Countywide	*$ 10,000,000*	$ -	$ -	**$ 10,000,000**	N/A	*N/A*	*ONGOING ADDITIONAL*	$ -	*$ 151,400*	$ -	$ -	*$ 151,400*
Z-07	Bond Program Reserve	Countywide	*$ 86,780,100*	$ -	$ -	**$ 86,780,100**	N/A	*N/A*	*ACTIVE*	$ -	$ -	$ -	$ -	$ -
Z-08	Preliminary Engineering for Large Diameter Tunnels for Stormwater Conveyance	Countywide	*$ 20,000,000*	*$ 2,720,000*	$ -	**$ 22,720,000**	N/A	*N/A*	*ACTIVE*	*$ 17,465,621*	$ -	*$ 2,919,268*	*$ 2,899,766*	*$ 5,819,035*

Attachment I

BOND ID	TITLE	PRECINCT	2018 BOND FUNDS	PARTNER FUNDS	DISTRICT FUNDS	TOTAL FUNDS	2022 Prioritization Framework Score	2022 Prioritization Framework Quartile	Status	Encumbered	2018 Bond Spent	Partner Spent	District Spent	Total Spent
Z-09	Upgrades and Expansion of the Harris County Flood Warning System	Countywide	*$ 1,250,000*	*$ 1,310,019*	*$ -*	**$ 2,560,019**	N/A	*N/A*	*ACTIVE*	*$ 49,188*	*$ 536,432*	*$ -*	*$ 546,037*	*$ 1,082,470*
Z-10	Maapnext - Harris County Floodplain Mapping Updates	Countywide	*$ 15,500,000*	*$ 12,800,000*	*$ 250,000*	**$ 28,550,000**	N/A	*N/A*	*ACTIVE*	*$ 603,851*	*$ -*	*$ 237,328*	*$ 24,680,077*	*$ 24,917,405*
Z-11	Countywide Communications Relating to 2018 Bond and CIP Projects	Countywide	*$ 10,000,000*	*$ -*	*$ -*	**$ 10,000,000**	N/A	*N/A*	*ACTIVE*	*$ 1,963,299*	*$ 5,824,882*	*$ 174,999*	*$ 4,434*	*$ 6,004,315*
Z-Buyout	Federal Grant-Funded Volunteer Home Buyouts	Countywide	*$ 94,125,000*	*$ 357,758,353*	*$ -*	**$ 451,883,353**	N/A	*N/A*	*ACTIVE*	*$ 10,000*	*$ 2,126,683*	*$ 46,115*	*$ 125,759,821*	*$ 127,932,619*
Z-StormRep	Countywide Storm Repairs in Harris County	Countywide	*$ 20,070,000*	*$ 335,161,596*	*$ -*	**$ 355,231,596**	N/A	*N/A*	*ACTIVE*	*$ 258,062*	*$ 1,974,628*	*$ 520,911*	*$ 82,717,988*	*$ 85,213,528*
Z-Subdiv	Harris County Engineering Department Countywide Subdivision Drainage Improvement Projects	Countywide	*$ -*	*$ -*	*$ -*	**$ -**	N/A	*N/A*	*\NSFERRED TO HC*	*$ -*	*$ -*	*$ -*	*$ -*	*$ -*
		TOTAL	***$ 2,500,000,000***	***$ 2,697,565,889***	***$ 29,538,106***	***$ 5,227,103,996***				***$ 166,323,850***	***$ 868,416,951***	***$ 143,298,726***	***$ 472,891,913***	***$ 1,484,607,590***

Attachment J

Attachment J

Information Based on 2022 Prioritization Framework Quartiles

Completed Bond IDs

	All Bond IDs Scored for Informational Purposes		
	#	2018 Bond Spent and Encumbered	Total Spent
1st Quartile	8	48,620,245.28	124,287,534.94
2nd Quartile	16	27,353,104.41	37,983,861.47
3rd Quartile	17	25,612,682.64	51,235,401.74
4th Quartile	2	10,000,000.00	15,825,094.11
TOTAL	**43**	**111,586,032.33**	**229,331,892.26**

Bond IDs Not Completed

	All Bond IDs Scored for Informational Purposes		
	#	2018 Bond Spent and Encumbered	Total Spent
1st Quartile	26	138,696,342.54	252,392,156.80
2nd Quartile	51	290,176,045.20	339,705,792.17
3rd Quartile	39	185,048,758.00	176,039,075.79
4th Quartile	6	4,614,298.23	3,740,556.93
Other	16	300,219,324.64	483,398,115.88
TOTAL	**138**	**918,754,768.61**	**1,255,275,697.57**

TOTAL SPENT

	All Bond IDs Scored for Informational Purposes		
	#	2018 Bond Spent and Encumbered	Total Spent
1st Quartile	34	187,316,587.82	376,679,691.74
2nd Quartile	67	317,529,149.61	377,689,653.64
3rd Quartile	56	210,661,440.64	227,274,477.53
4th Quartile	8	14,614,298.23	19,565,651.04
Other	16	300,219,324.64	483,398,115.88
TOTAL	**181**	**1,030,340,800.94**	**1,484,607,589.83**

Attachment J.1

Attachment J.1
Information Based on 2022 Prioritization Framework Quartiles

Completed Bond IDs

	All Bond IDs Scored for Informational Purposes			Bond IDs Scored by Either 2019 or 2022 Frameworks Other than Scored for Informational Purposes		
	#	2018 Bond Spent and Encumbered	Total Spent	#	2018 Bond Spent and Encumbered	Total Spent
1st Quartile	8	48,620,245.28	124,287,534.94	5	37,904,831.11	113,572,120.77
2nd Quartile	16	27,353,104.41	37,983,861.47	5	19,928,998.84	26,690,880.68
3rd Quartile	17	25,612,682.64	51,235,401.74	9	19,803,859.09	36,588,497.33
4th Quartile	2	10,000,000.00	15,825,094.11	1	10,000,000.00	7,278,625.66
TOTAL	**43**	**111,586,032.33**	**229,331,892.26**	**20**	**87,637,689.04**	**184,130,124.44**

Bond IDs Not Completed

	All Bond IDs Scored for Informational Purposes			Bond IDs Scored by either 2019 or 2022 Frameworks Other than Scored for Informational Purposes		
	#	2018 Bond Spent and Encumbered	Total Spent	#	2018 Bond Spent and Encumbered	Total Spent
1st Quartile	26	138,696,342.54	252,392,156.80	16	91,945,890.51	150,938,358.59
2nd Quartile	51	290,176,045.20	339,705,792.17	32	165,676,639.29	172,616,978.15
3rd Quartile	39	185,048,758.00	176,039,075.79	33	74,203,832.66	73,612,772.60
4th Quartile	6	4,614,298.23	3,740,556.93	5	2,645,334.25	1,908,257.28
Other	16	300,219,324.64	483,398,115.88	0	-	-
TOTAL	**138**	**918,754,768.61**	**1,255,275,697.57**	**86**	**334,471,696.71**	**399,076,366.62**

TOTAL SPENT

	All Bond IDs Scored for Informational Purposes			Bond IDs Scored by either 2019 or 2022 Frameworks Other than Scored for Informational Purposes		
	#	2018 Bond Spent and Encumbered	Total Spent	#	2018 Bond Spent and Encumbered	Total Spent
1st Quartile	34	187,316,587.82	376,679,691.74	21	129,850,721.62	264,510,479.36
2nd Quartile	67	317,529,149.61	377,689,653.64	37	185,605,638.13	199,307,858.83
3rd Quartile	56	210,661,440.64	227,274,477.53	42	94,007,691.75	110,201,269.93
4th Quartile	8	14,614,298.23	19,565,651.04	6	12,645,334.25	9,186,882.94
Other	16	300,219,324.64	483,398,115.88	0	-	-
TOTAL	**181**	**1,030,340,800.94**	**1,484,607,589.83**	**106**	**422,109,385.75**	**583,206,491.06**