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Centering the Discussion: Hurricane Harvey



**Hurricane Harvey's Impact 1TRILLION** gallons of stormwater across Harris County 154,170 structures flooded across Harris County 37,000 people forced into shelters \$125 BILLION



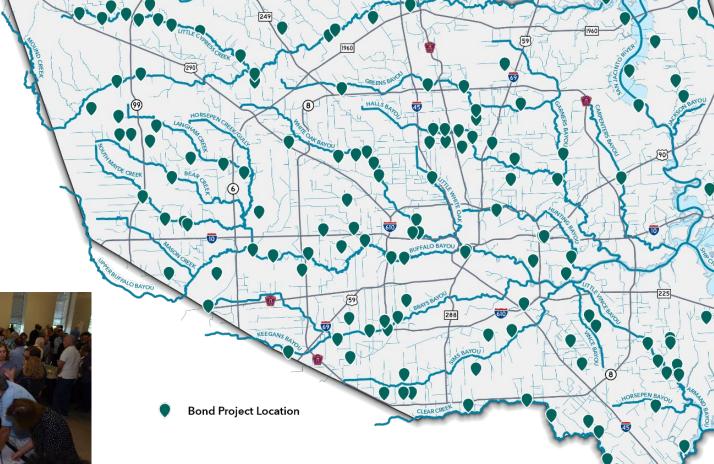
in total damages across the state of Texas



Responding with the 2018 Bond Program





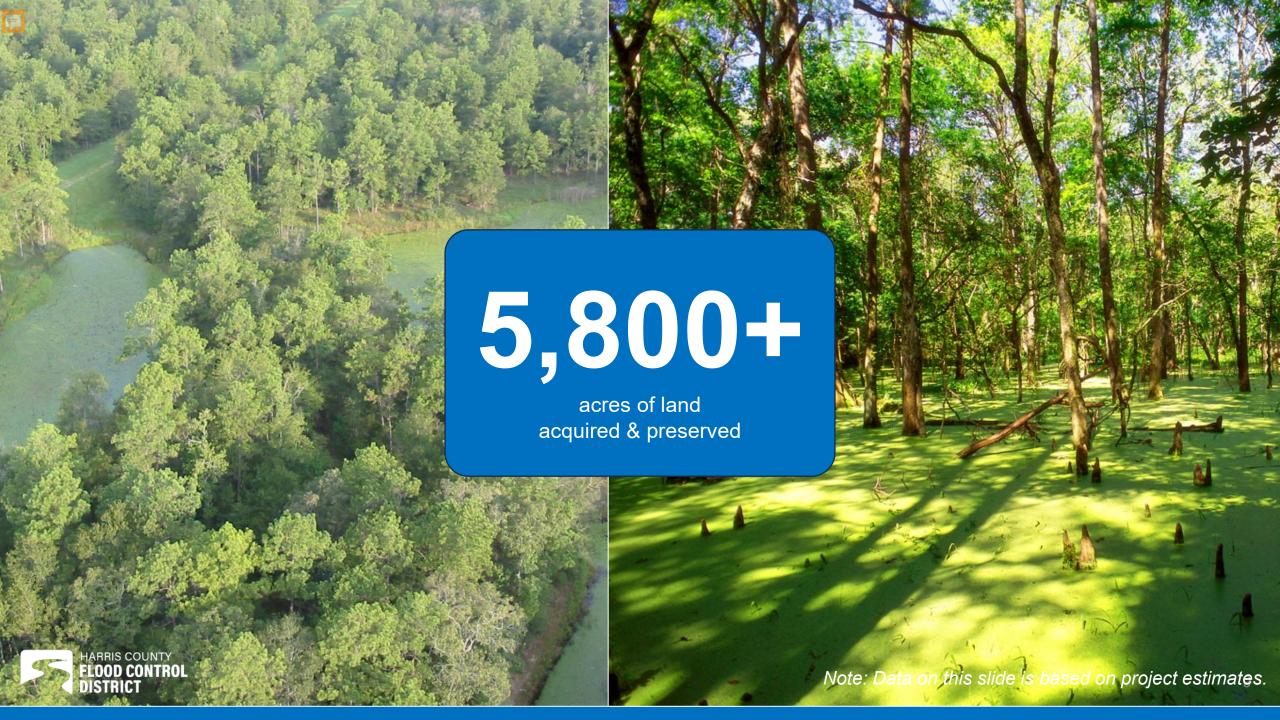








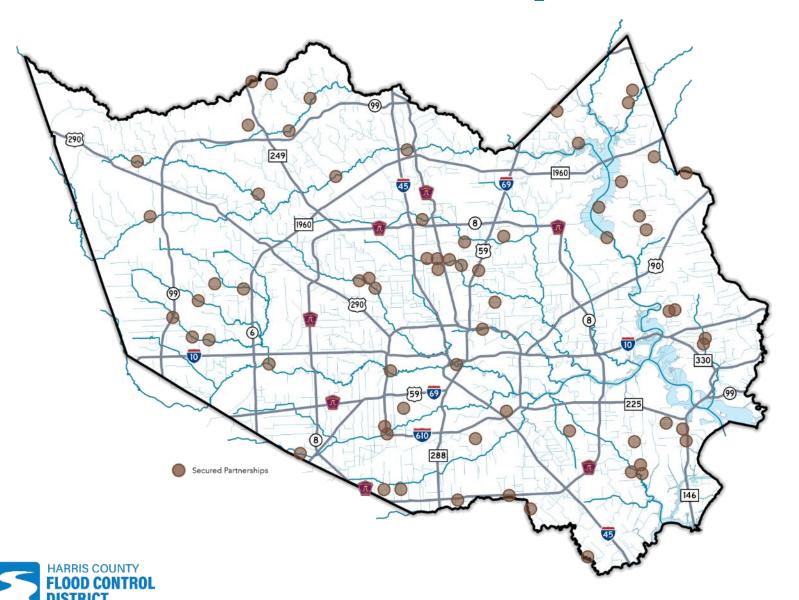








## **Secured Partnerships**







### **Another Tipping Point**





#### HURRICANE HARVEY

(2017)

Work in the immediate aftermath of Harvey focused on recovery, response, and emergency repairs.



#### VOTER APPROVAL

(2019)

Voters approved \$2.5B in bond funds. Outreach informed a list of projects and concepts with varying levels of clarity.



#### IMMEDIATE WORK

(2018-2019)

Initial program work focused on efforts that could move quickly, such as Project Brays, buyouts, and other projects that were already underway.



### PRIORITIZATION FRAMEWORK

(2019)

Commissioners Court approved a framework to guide the timing of project initiation, leading to changes in program schedules.



#### PARTNERSHIP FUNDING

(2021)

Discussions around a funding shortfall led to a reckoning about the lack of partnership funding that had been realized. The gap was later closed, with \$2.7B in partner funds secured.

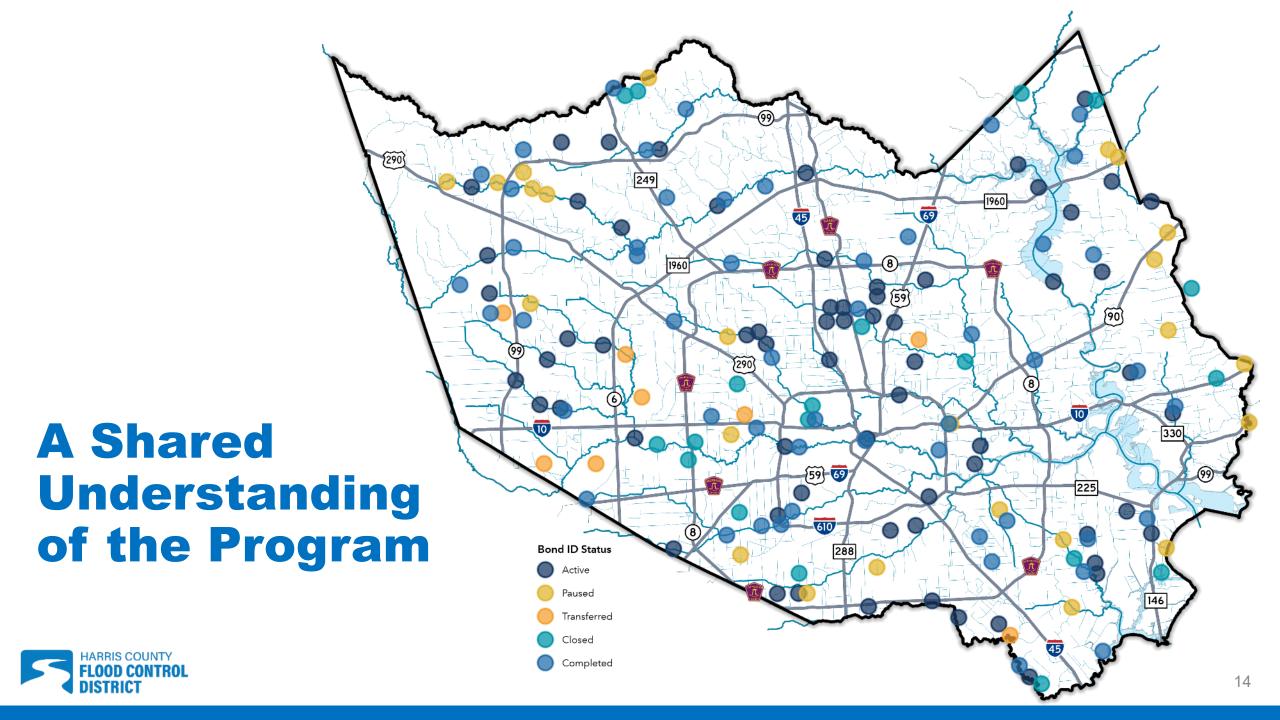


## PROGRAM CLARITY

(2025)

Cost increases on HCED's SDP sparked conversations about the 2018 Bond Program. Commissioners Court unanimously solidifies a path forward, including a list of active, paused, closed, and complete Bond IDs. 13





## A Shared Understanding of the Program



#### ACTIVE BOND IDs

Fully funded and moving forward into construction. Includes Quartile 1 Bond IDs and Bond IDs with secured partnerships



#### COMPLETED BOND IDs

Work has been completed, with original scope fully realized.



#### CLOSING BOND IDs

Projects are not technically feasible based on engineering analysis or no partner funding materialized.



#### TRANSFERRED BOND IDs

Transferred to either Harris
County Engineering
Department or HCFCD
Maintenance Program
based on project scope.

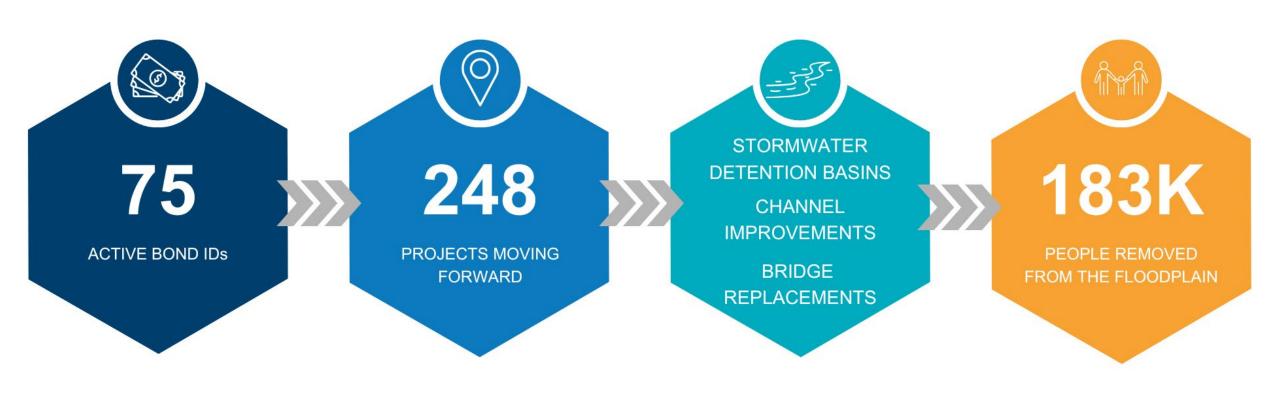


#### PAUSING BOND IDs

Projects pausing pending additional funding. All projects have clear next steps to move quickly when funding materializes.



### **Continuing to Deliver Benefits**

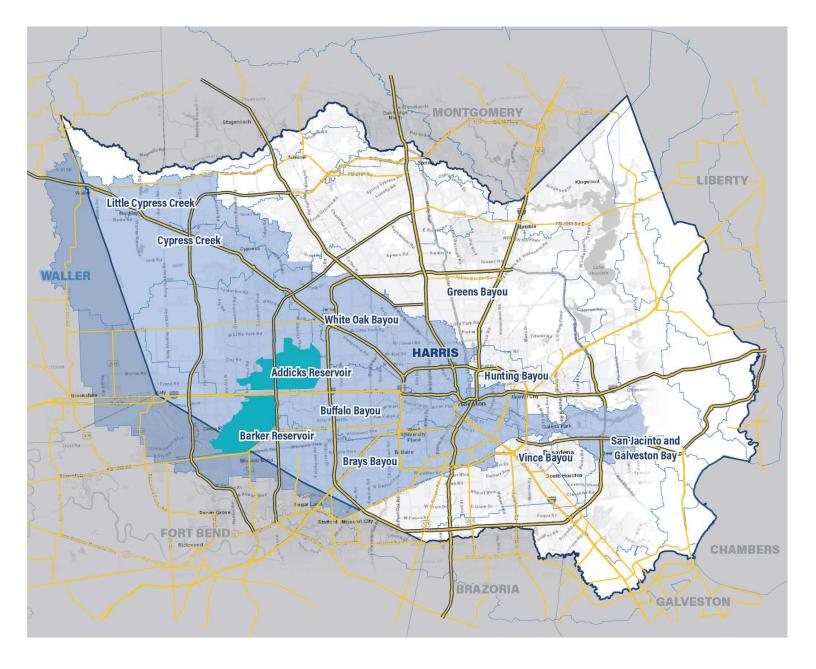




## **Highlights**

## \$35 million

to continue investment in the
Buffalo Bayou and
Tributaries Resiliency Study
(BBTRS)

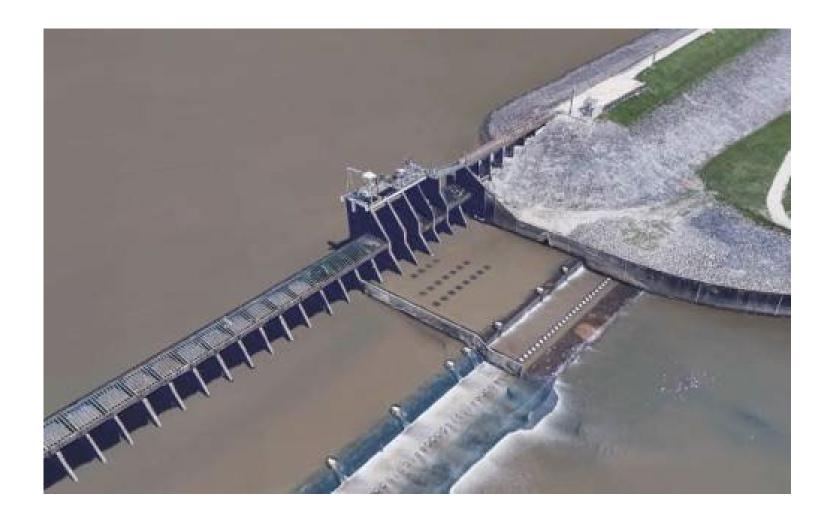




## **Highlights**

## \$20 million

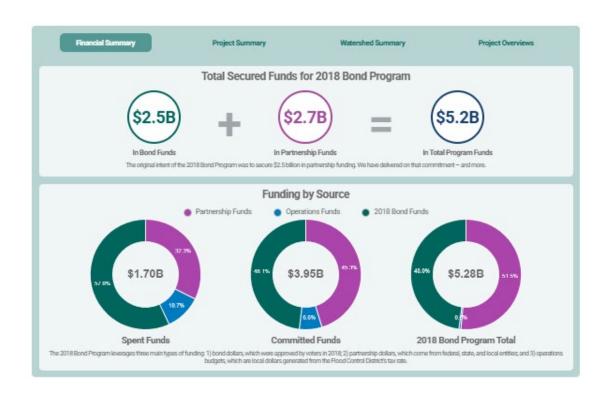
to the City of Houston for the Lake Houston Gates Project

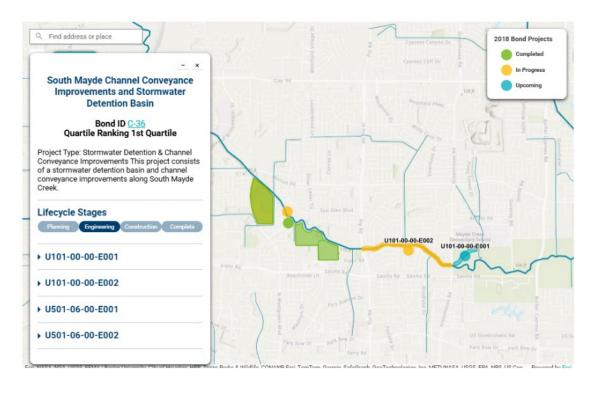




# **Ensuring Transparency & Reporting on Progress**

#### www.hcfcd.org/bondprogram







## **Looking Ahead**

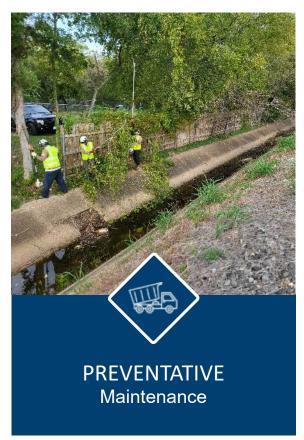
## We've taken a program that started out as a list of conceptual projects and grounded it in reality.

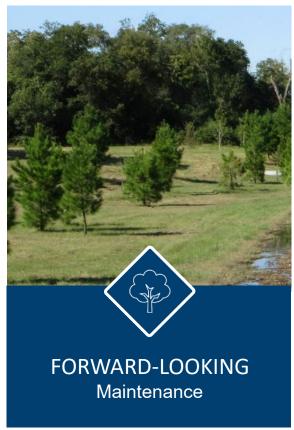
- Secured Partnerships: Underscored commitment to partnerships the bedrock of the 2018 Bond Program
- Active Projects: Gained clarity on project scopes and certainty on funding
- Closing Projects: Made important decisions on technical feasibility
- Pausing Projects: Identified solid projects that serve as a bench of projects that can move forward once additional funding is secured





## **Maintenance Approaches**









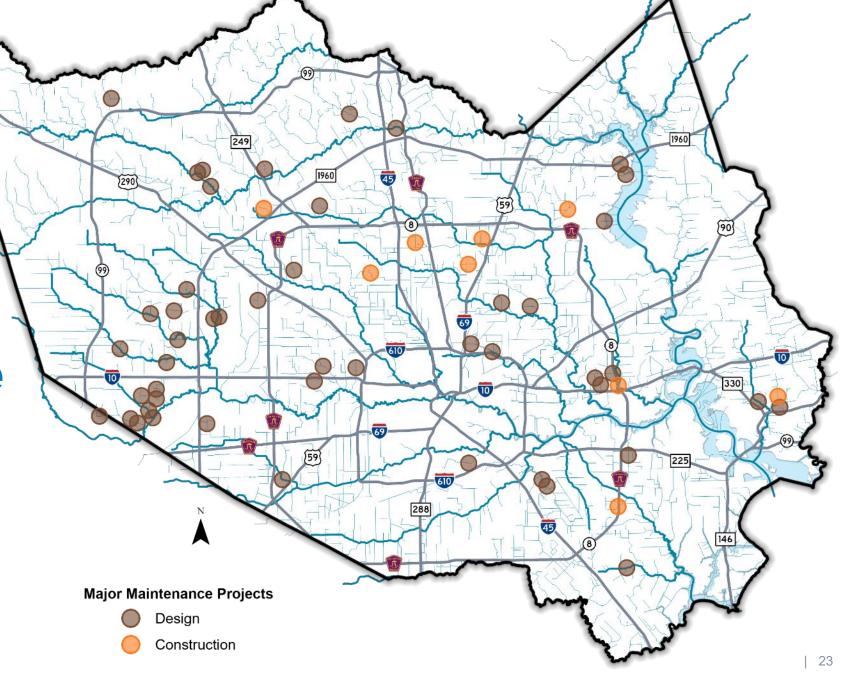


Repair & Replace

Major

Maintenance Projects

These are projects that require engineering and design work to move forward.







#### Repair & Replace

## **Infrastructure Repairs**

**2**x

Number of Projects in Progress

117%

Increase in Desilting Work

**62%** 

Increase in Outfall Replacements





Halls Bayou (P118-00-00), Precinct 1
Major Erosion Repairs



Goose Creek Tributary (O105-00-00), Precinct 2 Sediment Removal, Outfall Repairs, Slope Repairs



Little Cypress Creek (L100-00-00), Precinct 3 Natural Stable Channel Design, Erosion Repairs

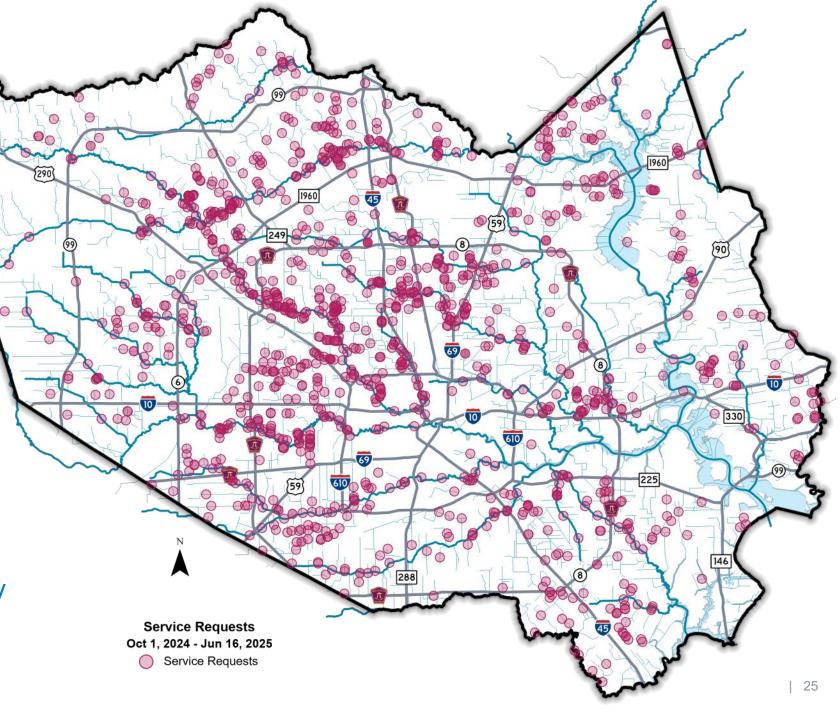


Brays Bayou Tributary (D139-00-00), Precinct 4
Slope Repairs, Pipe Replacement

Resident
Service
Requests

Hot spots and issues submitted by residents across Harris County and quickly addressed by FAST Action Teams in the field.







#### **FAST Teams**

## **Responding to Our Residents**



Precinct 1
Sinkhole repairs in the Greens Bayou Watershed

Precinct 2

Dipout in the Carpenters Bayou Watershed



#### **FAST Teams**

## Responding to Our Residents





Precinct 3

Slope repair to protect Woodside Green and Kluge Rd bridge

Precinct 4

Dock repair in the Cypress Creek Watershed



#### Continuing to Scale

#### **Areas of Focus for Remainder of FY2025**

- Continued Ramp Up in Delivery: Continuing to increase project delivery, with additional scaling in place before EOY.
- Scaling the Organization: Investing in people, equipment, facilities, and operations to support our expanded program.
- Looking Ahead: Emphasizing program management and the development of our comprehensive asset management program.
- Engaging our Community: Preparing for annual community meetings to provide updates on work that has been completed in FY2025 and gather input on what's ahead.



