Little Cypress Creek Frontier Program

Alan Black
Director, Engineering Division
Harris County Flood Control District
Harris County Flood Control District

• A special purpose district created in 1937 by the Texas legislature

• In response to floods that devastated the Houston-area in 1929 and 1935

• Serves as a local partner to leverage federal tax dollars for flood damage reduction

• Harris County Commissioners Court serves as our board of directors or governing body
OUR MISSION

Provide flood damage reduction projects that work, with appropriate regard for community and natural values.
Why Our Area Floods

- Prone to severe rainfall including tropical storms, and hurricanes
- Flat topography
- Impermeable clay soils
Local and Riverine Flooding
Bond Approved on Aug. 25

- 237 projects across all watersheds
- 38 projects added based on community input ($400M+)

$2.5B Bond funds
+ $2.3B Partner funds
= ~$4B+ Total
Little Cypress Creek Frontier Program
Erwin Burden
Program Manager
Harris County Flood Control District
Little Cypress Creek Frontier Program

- Precinct 3
- Precinct 4

- Cypress-Rosehill Road
- Mostly undeveloped
- Mostly Developed

- Little Cypress Creek Frontier Program
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Calibrate & Validate Existing Conditions
- 2016 Tax Day Event – Calibration
- 2016 Memorial Day Event – Validation
- 2017 Hurricane Harvey - Validation

Barker Cypress
Grant
Huffmeister

South Of Kath Ln On Longwood Trc Looking East
North Of Vanhoven Ln On Longwood Trc Looking East
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Program Overview

– Interim Guidelines For New Development
  Adopted by Harris County Commissioners
  Court February 11, 2014
– Actively working with developers and property
  owners to acquire land for the projects and
  program
– Master Drainage Plan currently being finalized
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Overview of the Program/ Developer Dollars

- Required to pay impact fees ($4000/ac) (for ROW acquisition)
  - New development
  - Redevelopment increased impervious area
- Required to Excavate
  - Dig new regional detention ponds and channels
  - Expand existing regional detention ponds and channels
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Program Benefits

Construction of proposed channel & basin improvements upstream of Cypress Rosehill:
1 ft reduction in floodplain at the Kluge Bridge

Construction of proposed channel improvements downstream of Cypress Rosehill
Floodplain brought within banks at Kluge Bridge
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Little Cypress Creek Watershed Master Plan

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Daikin SDB
Hegar Road SDB
Mason SDB
Mueschke West SDB
Mueschke East SDB

L500-05-00 SDB
L500-03-00 SDB

Bauer-Hockley Road Stormwater Detention Basin
Mueschke Road 2 SDB

Kleb-Woods Stormwater Detention Basin

Master Plan

PROJECT PROGRESS & COMMUNITY ENGAGEMENT

2018 | BOND PROGRAM
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Zube Stormwater Detention Basin
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Bauer-Hockley Stormwater Detention Basin
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Kleb-Woods Stormwater Detention Basin
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Project Outlook & Next Steps
Near Future Outlook

– Finalize Master Drainage Plan Report
– Finalize Development Guidelines
– Continue with proposed projects and property acquisitions
– Seek grant funding
We want to hear from you.

Please visit HCFCD.org/F26 to learn more about the Little Cypress Creek Frontier Program, ask questions and sign up for our mailing list.