SAME / TPWA
CIP Briefing

Harris County Flood Control District
October 17, 2018

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Harris County Flood Control District
Agenda

- Recovery and Repairs
- Bond Progress, Planning and Communication
- Interagency Collaboration
- Federal Grant Opportunities / Pursuits
Recovery and Repairs

- $8.9 million in debris removal
- $5.5 million in emergency repairs

- $150 million repair investment needed
  - $80 million from NRCS
  - $17 million from FEMA
  - $2 million from USACE
  - $51 million local (HCFCD)
Bond Progress

- $11M in Construction Awards (primarily repairs)
  - $110M in new advertisements through EOY

- Commissioners Court
  - 41 new projects authorized
  - 55 projects already underway
  - Total of $1.4 Billion “in motion”
  - Approved increase in Commercial Paper to $250M
  - Approved 20 new staff positions (expect 70+ in total)
Bond Planning

• Planning $5B in Projects over 10 years
  • “Readiness”
  • Benefitting as many people as possible
  • Opportunities for Federal funding
  • Local Partners
  • Staff Resources
Estimated Annual CIP Expenditures
Bond Communication

BOND PROGRAM

Step 1: Find Your Watershed

Enter Address [FIND]

e.g. 9900 Northwest Fwy. Houston 77092

All Watersheds Select Watershed for More Detail

PROPOSED PROJECTS

All Proposed

WATERSHED BOUNDARIES

- Watersheds

JURISDICTIONS

- Texas House Districts
- Texas Senate Districts
- US House of Representatives

Harris County Precincts

- Pct. 1 - Rodney Ellis
- Pct. 2 - Jack Morman
- Pct. 3 - Steve Radack
- Pct. 4 - R. Jack Cagle

Existing Detention Basins

Other Municipalities

City of Houston

Unincorporated Harris County

District

An interactive map of the Harris County Flood Control District

Bond Projects (1 of 3)

Map ID: F-53
Type: Local-Only
Name: Addicks Reservoir De-Silting Project - Phase I
Project: U100-00-00-G002
Status: Active
Description: The work effort will begin with a pilot project that will evaluate the existing conditions of three channels....
Watershed: Addicks Reservoir
Precinct: Commissioner Precinct
Start Date: 12/21/2016
Finish Date: 12/1/2019

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<th>Budgeted</th>
<th>Spent</th>
<th>Status</th>
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<tr>
<td></td>
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<td>$1,291,080</td>
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Totals: $2,591,080 $678,054
1. County/Municipal neighborhood drainage and HCFCD infrastructure pre-dates current criteria. Neighborhood streets are re-graded and re-constructed by the City with more inlets and bigger storm sewers to get the water out of the neighborhood faster.

2. That increased flow is mitigated in a new stormwater detention basin that HCFCD constructs in consultation with the City who then maintains the basin. Water is held in the basin and slowly released through a restricted outfall pipe.

3. The stormwater detention basin also provides greenspace and opportunities for recreation such as public parks, which the City constructs and maintains.

4. Because the increased flows are mitigated in the stormwater detention basin, the water flowing to the HCFCD maintained channel is unchanged and does not increase flooding elsewhere.
Partnership Opportunities

How is Harris County Flood Control District funded for disaster recovery & resiliency?

$2-3 Billion

Includes Local Match for Federally Funded Projects

10% Local Match

Varies by Project

Public Assistance
10% Local Match

Section 406
Varies by Project

Flood Mitigation Program
25% Local Match

Hazard Mitigation Grant
25% Local Match

Community Development Block Grants
0% Local Match

Disaster Supplemental Notice of Funding Opportunity Grant
Varies: 20% Local Match for Harvey

State-level Grantees

Texas Water Development Board

United States Department of Agriculture

USDA

Natural Resources Conservation Service

US Army Corps of Engineers

FEMA

EDA

Harris County Texas

$2-3 Billion
Grant Pursuits

• **FEMA HMGP Section 404**
  - Buyouts $230M applied for ($212M awarded)
  - New Projects $150M applied for ($0 awarded)

• **FEMA Section 406 (PA)**
  - $60M in New Projects submitted ($0 awarded)
  - $291M in additional to be submitted

• **CDBG-DR**
  - $53M in possible “1\textsuperscript{st} Tranche” Opportunities
  - $1.7B in possible “2\textsuperscript{nd} Tranche” Projects