









## Summary of HCFCD W151 Study

- Objective: Reduce structural flooding in W151 watershed
- How: Lower Water Surface Elevation in W151
- Study 1: Conceptual Report Completed
   October 2004
- Study 2: Feasibility Study Anticipated to be
  - released this month

## Summary of HCFCD W151 Study

- Components Addressed :
  - Channel Improvements
  - Detention (Purpose: To mitigate impacts from channel improvements on Buffalo Bayou)
  - Storm Sewer Trunk Line Improvements
- Components Not Addressed:
  - Improvements North of IH-10
  - Local Drainage Issues
  - Overland Sheetflow (2D)

Study of Upper Reaches
of W151 Watershed
W151 Storm Sewer
Drainage Area

## Study of Upper Reaches of W151 Watershed Objectives

- Objective: Reduce Thoroughfare, Commercial,
   & Neighborhood Flooding
- Deliverables: Recommend Feasible Drainage Improvement Projects
  - Maximize Benefit of TIRZ 17 Drainage Related
     Capital Improvement Projects

## Summary of Proposed Scope

- Study Components
  - Explore Agency Partnering Opportunities
  - Leverage HCFCD W151 Effort
  - Address Local Drainage Issues
  - Extend HCFCD Model Extents (North & South of IH-10)
  - Includes 4 CIP Projects (North & South of IH-10)
  - Includes Neighborhoods outside TIRZ 17
  - Includes Portion of Briar Branch Watershed
  - Dynamic Modeling
    - Storm Sewers
    - Overland Sheet Flow (2D)
    - New Detailed Topography
      - 9 times the detail as 2002 data

Study of Upper Reaches of W151 Watershed TIRZ 17 Drainage CIP Projects

