



# Fort Bend County

An aerial photograph of a flooded area, likely a residential or agricultural region, is the background for the lower half of the slide. The water is a muddy brown color, and the surrounding land is green with some buildings and roads visible. A highway runs vertically through the right side of the image.

## Hurricane Harvey Six Month Update

March 2018



# Fort Bend County



## RESPONSE TO HARVEY





# Fort Bend County



## Response Statistics



- Fourth federally declared disaster in 3 years
- EOC Activated for 18 days
- Parts of county saw 36" of rainfall, no part saw less than 20"
- River watersheds saw up to 50" of rain
- Flooded 186 square miles (21% of county)
- Broke records on all major bodies of water (Barker Reservoir, Brazos and San Bernard Rivers)

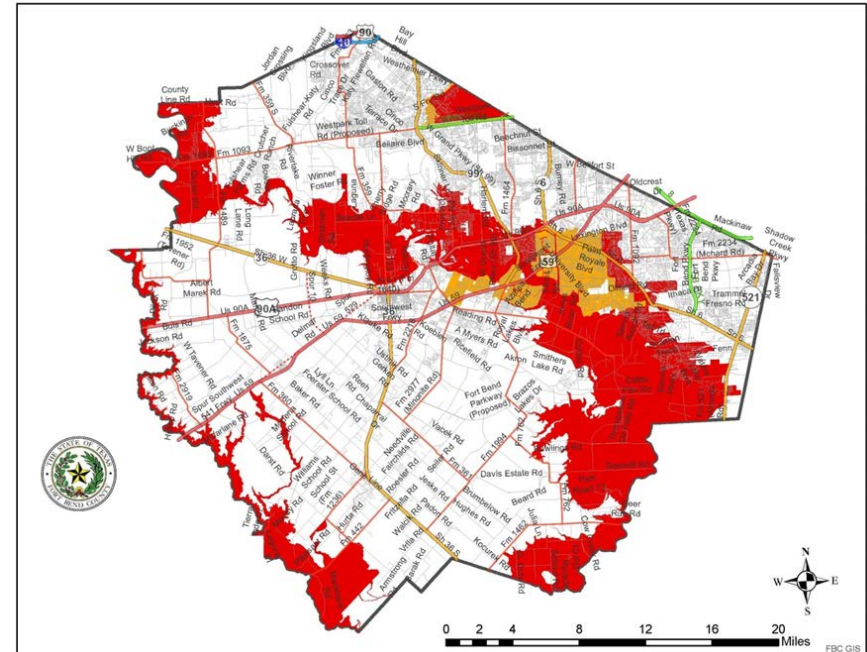


# Fort Bend County



## Response Statistics, cont.

- Five tornadoes in Fort Bend County
- Ordered evacuations for over 200,000 people
- Total Rescues /Evacuations (not including neighbor helping neighbor): 10,497
- Three fatalities related to the storm
- More than 50 organizations supported Fort Bend County's response, plus numerous individuals





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## RECOVERY FROM HARVEY



# Fort Bend County



## Recovery Statistics

- Estimated homes destroyed or damaged: 6,824
- FEMA applications submitted: 58,425
- FEMA Assistance to Individuals and Households: \$93,690,716.31
- FEMA Individuals and Households Program Max Grants Awarded: 171



# Fort Bend County



## Recovery Statistics, cont.



- 3 FEMA Disaster Recovery Centers open with 24,431 visits
- 3,799 National Flood Insurance Program (NFIP) claims with \$203,500,000 paid out
- Number of disaster applications approved by SBA: 3,284
- SBA loan dollars approved: \$298,400,000
- Storm debris collected: 480,625 cubic yds





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## County Recovery Actions

- Liaison for State and Federal Recovery Programs (*OEM and County Judge's Office*)
- Debris Removal (*Road & Bridge*)
- Substantial Damage Assessments and Permitting (*Engineering*)
- D-SNAP (*HHS*)







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## County Recovery Actions, cont.



- Public Transportation Assistance (*Public Transportation*)
- Repairing damage to County infrastructure (*Drainage District and Road & Bridge*)
- Authorized reappraisals of properties damaged by Harvey (*Commissioners Court*)



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## Fort Bend Recovers

Fort Bend Recovers is a collaborative network that addresses the long-term needs of Fort Bend County following a disaster.

- Case Management
- Repair / Rebuild
- Spiritual & Mental Health
- Donations Management





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## Other Recovery Programs

- FEMA Transitional Shelter Assistance (TSA) Program
- FEMA Temporary Housing Programs
- FEMA Partial Repair and Essential Power for Sheltering (PREPS) program



# FEMA





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## RECOMMENDATIONS

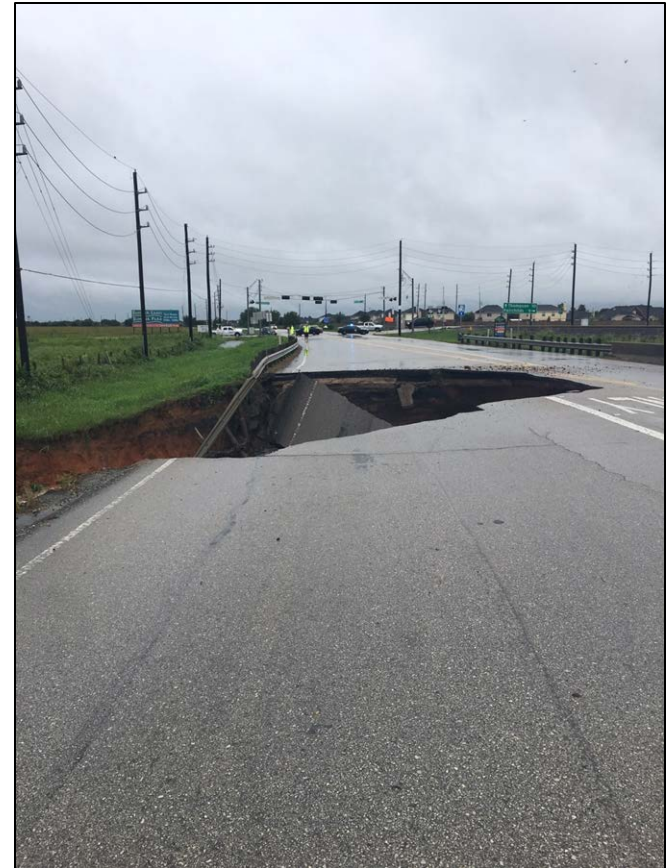


# Fort Bend County



## 0-6 Months

- Mass Notification System
- Immediate repairs to roads and bridges
- Willow Fork Desilting Project
- Legislative Actions
- Partnering with American Red Cross to increase shelter and mass care capacity in the county\*
- CRASAR Agreement
- Code3 Agreement



*\* Projects extend beyond 6 months*



# Fort Bend County



## 6-12 Months



- Applying for Hazard Mitigation Grant Funding
- Levee Tabletop Exercise
- Continuing Levee Inspections\*
- Legislative Actions
- Continuing to work with US Army Corps of Engineers regarding improvements to the Barker Reservoir\*

*\* Projects may extend beyond 12 months*





# Fort Bend County



## 12-24 Months

- Buyouts, Elevations, and other housing programs\*
- Flood Reduction Projects (Drainage District)\*
- Improving evacuation routes\*
- Improving or modifying roads and bridges damaged by Harvey\*

*\* Projects may extend beyond 24 months*



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## 12-24 Months, cont.

- Review enforcement of Fort Bend County Floodplain Regulations
- Drainage Criteria Manual evaluation
- Fort Bend County watershed study\*

*\* Projects may extend beyond 24 months*



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## Flood Reduction Projects

Working to improve drainage, channels, and banks along the following streams, rivers, levees, and channels to reduce flooding risk and impact:

- Flat Bank Creek
- Willow Fork branch of the Buffalo Bayou
- Brazos River
- Barker Reservoir
- Lower Oyster Creek
- Mustang Bayou
- Bull Head Slough
- Upper Oyster Creek
- Mayfair Park
- Ditch H
- Oyster Creek
- Steep Bank Creek
- Big Creek
- Fairchild Creek
- Etc.





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## Improving Roads and Bridges Damaged by Harvey

Improving or modifying roadways and bridges in order to ensure critical transportation routes and evacuation routes remain open in catastrophic flooding situations. Also making repairs to roadways and bridges damaged in Hurricane Harvey.

- Vincik Ehlert Road (*Beasley*)
- Beasley West End Road (*Beasley*)
- Hamlink Road (*Beasley*)
- Barek Road & Bridge (*Guy*)
- Rycade School Road & Bridge (*Damon*)
- Beard Road (*Needville*)
- Jeske Road (*Needville*)
- Greenbusch Road (*Katy*)
- Pecan Hill Road (*Brookshire*)
- Silverbelle Lane (*Richmond*)
- Cumings Road (*Rosenberg*)
- Fenske Lane (*Needville*)
- Darst Road & Bridge (*Beasley*)
- Etc.



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## Beyond 24 months

As projects are funded, including additional infrastructure and drainage improvement projects, work will likely be completed in the 24+ months timeframe



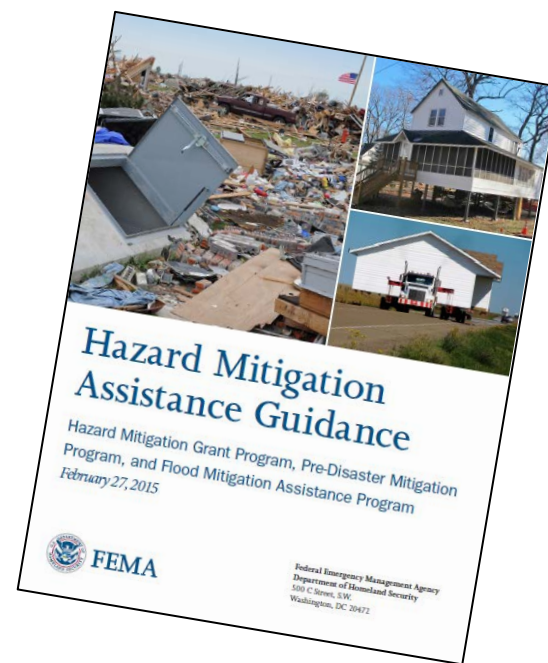


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## Funding Sources

- Grants
  - Hazard Mitigation Funding
  - Community Development Block Grants
- State Funding
- Local Funding





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**RECOVERY FROM HARVEY  
CONTINUES...**