

Hurricane Harvey Infrastructure Application



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Texas General Land Office
Community Development and Revitalization

Fort Bend County, TX

APPLICANT NAME

Fort Bend

COUNTY

Houston-Galveston Area Council

COG/Regional Planning Commission

DR-4332 - 2017

Disaster Declaration Number(s) and Year

APPLICATION FOR FEDERAL ASSISTANCE SF-424

Each applicant for Community Development Block Grant Disaster Recovery (CDBG-DR) funding must certify by signing Form SF-424 that local certifications governing this funding have been followed in the preparation of any CDBG-DR program application, and, if funded, will continue to be followed. (Note: False certification can result in legal action against the jurisdiction).

Further, by signing the SF-424 and submitting with the application, the signee authorizes the state or any of its duly authorized representatives to verify the information contained therein. Title 18, Section 1001 of the U.S. code states that a person is guilty of a FELONY for knowingly and willingly making false statements to any department of the United States Government.

All applications must be accompanied by a completed and signed Application for Federal Assistance SF-424, OMB Number: 4040-0004, Expiration Date: 10/31/2019. SF424_2_1-V2.1

This form is available on the GLO-CDR website with detailed instructions available in the CDR Application Guide.
<http://recovery.texas.gov/files/resources/housing/s2-form424.pdf> or www.recovery.texas.gov

INTRODUCTION AND INSTRUCTIONS

INTRODUCTION: This application is for Hurricane Harvey CDBG-DR Infrastructure funding. It is created to be used for infrastructure activities needed to fulfill an unmet need resulting from the Hurricane Harvey disaster declaration.

To be eligible for funding, all activities must have documented proof of an impact by the DR-4332 disaster declarations of 2017 and allowed under the State of Texas Action Plan for Disaster Recovery. CDBG-DR funds must be used for disaster-related expenses in the most impacted and distressed areas. An activity underway prior to a Presidential disaster declaration will not qualify unless the disaster impacted the project.

Once disaster-related impact to infrastructure, housing, and economic revitalization in the HUD and State identified most impacted and distressed areas has been established and assessed, Applicants are required to provide sufficient detail about each proposed project to identify the National Objective, the population that will receive benefit, the estimated costs and materials needed, the projected schedule to completion, any potential environmental impact, and other details specific to the type of project involved. Please be thorough in completing this application to ensure prompt review.

Applicants are encouraged to develop these recovery projects in a manner that considers an integrated approach to housing, fair housing obligations, economic revitalization, and overall community recovery. The Applicant must document how the proposed project (s) will address long-term recovery and community resilience.

INSTRUCTIONS:

1. Complete and sign the SF-424 as indicated above.
2. Complete this Infrastructure application. Be thorough to ensure prompt review.
3. **AUDIT:** If applicable, provide the most recent Single Audit in accordance with 2 CFR Part 200, Subchapter F. Texas General Land Office (GLO) - Community Development and Revitalization (CDR) Staff will review single audit requirements for applicable recipients, who have open contracts with GLO.
4. **ANNUAL FINANCIAL STATEMENTS:** Provide the most recent financial statement prepared in accordance with 2 CFR 200.510. Include a schedule of expenditures and schedule of findings and questioned costs.
5. **KEY STAFF:** Provide the names and contact information for staff that will provide local oversight of the application, the potential contract, and all applicable requirements.
6. Provide **LOCAL PROCUREMENT POLICIES AND PROCEDURES** along with other required documentation.

Submit completed application and all required documentation via email to: cdr@recovery.texas.gov

DISASTER IMPACT

The proposed project is presumed to have threatened human life, health and safety or posed an imminent threat to human life, health, and/or safety as a result of the declared disaster.

Yes No

1. Damages to the proposed project were unanticipated and beyond the control of the local government.

2. The date this situation addressed in this application first occurred:

August 25, 2017

3. Describe the impact of taking no action to repair the damaged facilities:

Big Creek is a major drainway within Fort Bend County, which has experienced significant flooding on a regular basis. Homes, structures, roadways, and channels which drain into this channel have been flooded for extended periods due to its limited capacity.

CITIZEN PARTICIPATION PLAN

"To permit a more streamlined process, and ensure disaster recovery grants are awarded in a timely manner, provisions of 42 U.S.C. 5304(a)(2) and (3), 42 U.S.C. 12707, 24 CFR 570.486, 24 CFR 1003.604, and 24 CFR 91.115(b) and (c), with respect to citizen participation requirements, are waived and replaced by the requirements for reasonable opportunity (at least 30 days) for citizen comment and ongoing citizen access to information about the use of grant funds."

Yes No

Did the applicant provide a reasonable opportunity (at least 30 days) for citizen comment?

List all opportunities citizens were given to participate in the determination of these needs. Click the "+" to add events, "X" to remove events.

Opportunity: Community Meeting

From: 2/21/2019

To: 2/21/2019

Date of resolution authorizing application submission: 3/12/2019

Comments: None

COMMUNITY NEEDS ASSESSMENT

DESCRIPTION OF THE DAMAGE

In this section, provide information about how the declared disaster impacted the community and the overall plan for recovery and resiliency. Descriptions should identify the specific disaster (date and duration), describe how the disaster threatened health and safety in the community, the facilities that were damaged, the current condition of those facilities, and detail of how the specific project will resolve the issue and ensure a more safe and resilient community.

All activities must show documented proof of impact by the declared disaster. CDBG-DR funds must only be used for disaster-related expenses.

1. Describe the current condition of the facilities. Describe any actions taken on the proposed project(s) to address the damage.

Since Hurricane Harvey, no actions have been taken regarding Big Creek from FM 2977 up to its confluence with Cottonwood Creek and Coon Creek at Spur 10. While little damage was sustained to Big Creek itself during Hurricane Harvey, its current channel capacity is not sufficient to handle large flows of water. This was evident during Hurricane Harvey when homes, outbuildings, roads, and agricultural lands were flooded as a result of Big Creek being unable to keep water within its banks.

This project is part of a larger project that Fort Bend County has been engaged in to increase the capacity of Big Creek. Fort Bend County Drainage District has completed excavation of over 20 miles of this waterway, extending from the Brazos River upstream to FM 2977. The requested funds would be used to complete the remaining 8 miles of improvements to the channel from FM 2977 (through the Village of Pleak) up to its confluence with Cottonwood Creek and Coon Creek (Spur 10).

2. List and attach documentation of the specific disaster condition. Provide photos (dated with specific location detail enough to identify the proposed project site(s)), maps, national weather information, FEMA project worksheets, news reports, local declarations, Disaster Summary Outlines (DSO), and any other relevant documentation to provide evidence of the specific damage(s) to the proposed project(s) addressed in this application. For any photos included, provide a map identifying each photo location by number.

Fort Bend County Disaster Declaration for TS/Hurricane Harvey;
Map of Big Creek - specifically as it relates to this application;
Map of entire Big Creek expansion project, including completed phases;
USGS Graph of Big Creek flows at State Highway 36 during Hurricane Harvey;
FIRM map for Big Creek as it relates to this application.

3. Describe the specific disaster-related impact to infrastructure, housing, and economic revitalization in the HUD and State identified most impacted and distressed areas (include date and duration), the facilities involved, and the threat that was posed to public health and safety:

The gauge at Big Creek and State Highway 36 shows that the flows on Big Creek drastically increased on August 25, 2017 and remained elevated through August 29, 2017. Starting August 29, 2017, flow rates began to fall, only returning to pre-Harvey levels around September 10, 2017 (see attached USGS graph). For the area impacted by this project, the flows along Big Creek during Hurricane Harvey caused the flooding of homes and outbuildings in the rural neighborhoods along Trinity Road (Village of Pleak) and Gerken Rd. There are approximately 25-30 homes and over 50 outbuildings in these

HOUSING NEEDS ASSESSMENT

Any locality receiving CDBG-DR infrastructure funds must identify and assess their housing needs as part of their recovery plan and indicate how their housing needs are addressed with the proposed infrastructure project. Provide the following information regarding the housing needs assessment.

1. Describe the jurisdiction's current supply of housing units available at affordable rents (Public Housing, Section 8 assisted, Rural Housing Service (RHS) assisted, HOME program assisted, Texas Department of Housing and Community Affairs assisted, Local Housing Development Corp. assisted, etc.).

Fort Bend County does not have a public housing authority. The City of Rosenberg has a Housing Authority that provides rental assistance through vouchers. The Rosenberg Housing Authority does not have any public housing. Fort Bend County is a U.S. Department of Housing and Urban Development (HUD) entitlement community, a designated urban county. The County receives funding for CDBG, HOME and ESG Program directly from HUD.

2. Describe past efforts to increase the supply of affordable housing.

Fort Bend County is a U.S. Department of Housing and Urban Development entitlement community, a designated urban county. The County receives funding for CDBG, HOME and ESG Program directly from HUD.

3. Describe efforts planned that will increase the supply of affordable housing.

Fort Bend County has limited resources to increase the supply of affordable housing.

4. Describe any instances, within the past 5 years, where the applicant has applied for affordable housing funds and did not receive the funding.

Fort Bend County is a U.S. Department of Housing and Urban Development entitlement community, a designated urban county. The County receives funding for CDBG, HOME and ESG Program directly from HUD. In the past five years, the County has not applied for affordable housing funds and subsequently has not received the funding.

5. Describe any instances, within the past 5 years, where the applicant has not accepted funds for affordable housing.

There are no instances, within the past 5 years where Fort Bend County has not accepted funds for affordable housing.

6. Describe any current and/or future planned compliance codes to mitigate hazard risks.

In 2005, Fort Bend County developed its first Hazard Mitigation Plan (HMP). This plan has been updated in 2011 and 2017 (FEMA approved this plan on February 14, 2018).

AFFIRMATIVELY FURTHERING FAIR HOUSING

Any locality receiving CDBG-DR funds must certify that it will affirmatively further fair housing. Using the drop-down box below, identify the activities already achieved to affirmatively further fair housing, and those new activities to be undertaken if an award is made by CDBG-DR and when that activity will be complete. Localities should be aware that, in the event of funding, these fair housing efforts will be monitored. Other activities may be eligible, and the applicant may contact GLO-CDR to determine eligibility.

What methods and criteria were used to prioritize the projects in the application, including affirmatively furthering fair housing?

The Big Creek Expansion Project was selected considering housing, infrastructure, and the community's recovery from Hurricane Harvey. The amount of water that flowed through Big Creek during Hurricane Harvey was the greatest on record in the past 30+ years aside from the Memorial Day Flooding of 2015. The flooding along Big Creek caused homes and other residential outbuildings to flood along Big Creek. The Big Creek Expansion Project is the second item on the list of Fort Bend County mitigation actions in the 2018 Hazard Mitigation Plan in order to help increase the channel's capacity as well as to reduce Big Creek's floodplain footprint. (Incidentally, this project was also identified in Fort Bend County's 2011 Hazard Mitigation Plan.) Not only would this project reduce and prevent flooding of homes (both along Big Creek but also along Seabourne Creek which flows into Big Creek), but it would also reduce flood insurance costs to homeowners.

The three fair housing activities listed below are ongoing and do not have a completion date.

FAIR HOUSING ACTIVITY(IES)

Establishing a local complaint and monitoring process			
Date Achieved	Sept 1, 2010	To Be Complete By	
Publishing the contact information – at the local, state and federal levels – for reporting a Fair Housing complaint			
Date Achieved	Sept 1, 2015	To Be Complete By	
Providing Housing Choices outside historically minority and/or LMI neighborhoods			
Date Achieved	Feb 26, 2019	To Be Complete By	

X

LIST OF UNMET NEEDS

Taking into consideration the disaster-related impact to infrastructure, housing, and economic revitalization in the HUD and State identified most impacted and distressed areas described, citizen participation responses, and the assessment of housing and affirmatively furthering fair housing, provide a list (in priority order) of all the disaster-related needs still unmet from Hurricane Harvey.

Affordable Housing

LONG-TERM PLANNING

Applicants must develop their community recovery projects in a manner that considers an integrated approach to housing, fair housing obligations, infrastructure, economic revitalization, and overall community recovery. Consideration of long-term planning processes is also highly encouraged. Disaster recovery presents communities with unique opportunities to examine a wide range of issues including (1) housing quality and availability, (2) road and rail networks, (3) environmental issues, (4) the adequacy of existing infrastructure, (5) opportunities for the modernization of public facilities and the built environment, (6) the development of regional and integrated systems, and (7) the stimulation of the local economy impacted by the disaster.

Applicants must provide a brief description of how the project addressed in this application form part of an integrated approach to recovery.

1. Considering the local post-disaster evaluation of hazard risks, responsible flood plain management, future extreme weather/natural disaster events, and long-term risks, describe how the proposed project promotes sustainable long-term recovery.

Big Creek is a major drainway within Fort Bend County which experienced significant flooding during Hurricane Harvey. Homes, structures, roadways, and channels which drain into this channel were flooded for an extended period of time during Hurricane Harvey (and during other large rain and flood incidents such as the 2015 Memorial Day Floods) due to the channel's limited capacity. In addition, Big Creek crosses under State Highway 36, which a major transportation route on the west side of Fort Bend County as well as an evacuation route for Brazoria County. By excavating and expanding the Big Creek Channel, drainage from the surrounding homes and area will be greatly facilitated, reducing and preventing the potential for flooding in homes. Increasing the channel's capacity to convey a 10-year frequency rainfall event would also help reduce its floodplain levels. The likelihood of water on State Hwy 36 (which would effectively block access for emergency responders to respond in flooded neighborhoods as well as cause residents to find alternative evacuation routes during a storm) would also be reduced.

(It should be noted that Big Creek flash floods easily due to its limited capacity. The Memorial Day storms of 2015 caused flash flooding along Big Creek, resulting in one death in Fort Bend County, several flooded homes, and agricultural losses, including cattle.)

2. Describe how the proposed project coordinates with local and regional planning efforts to ensure consistency with and promote community-level and/or regional post-disaster recovery and mitigation planning.

The Fort Bend County Drainage District maintains drainage channels where the District has easements. This includes the portion of Big Creek from FM 2977 up to its confluence with Cottonwood Creek and Coon Creek (near Spur 10), which runs through the Village of Pleak and under State Highway 36, which is an evacuation route through Fort Bend County from Brazoria County. Completing this project will increase the likelihood that State Highway 36 will remain a viable evacuation route during hurricane, rainfall, and flooding incidents, as per the regional evacuation planning efforts through the Houston-Galveston Area Council.

3. Describe how the proposed project integrates mitigation measures into rebuilding activities and achieves objectives outlined in community-level and/or regional post-disaster recovery and mitigation planning to reduce future risk.

The expansion of Big Creek is an identified mitigation action (project) in Fort Bend County's Hazard Mitigation Plan (most recently updated and approved by FEMA on February 14, 2018). This project was actually identified as a mitigation project in the County's 2011 Hazard Mitigation Plan, however Hurricane Harvey emphasized the need to complete the excavation and expansion of Big Creek to improve drainage in the surrounding areas to prevent the flooding of homes and of a major transportation / evacuation route (State Highway 36).

4. Describe the cost and benefit analysis used in the selection of the proposed project and how they inform community-level and/or regional post-disaster recovery and mitigation planning.

Flooding caused the majority of the damage in Fort Bend County from Hurricane Harvey. After the storm, Fort Bend County (with input from various County departments) prioritized "shovel ready" projects to improve drainage throughout the county and/or mitigate future flooding incidents, including the expansion of Big Creek. The County conducted a full benefit cost analysis of this project, and while it did not meet the required Benefit Cost Ratio of 1.0 or greater that is required for the FEMA Hazard Mitigation Grant Program, Fort Bend County still feels as though this is a needed and valid project in which to reduce the probability of structural and roadway flooding within the Big Creek watershed. Increasing the channel's capacity to convey a 10-year frequency rainfall event would also help reduce its floodplain levels.

5. Describe how the proposed project will avoid disproportionate impact on vulnerable populations and create opportunities to address economic inequities facing the local community.

This project aims to reduce the floodplain around Big Creek, putting less people at risk from flooding within the creek itself. The area along Big Creek has traditionally been less developed, being in a more rural area of the county. In recent years, the areas along Big Creek, especially in and around the Village of Pleak, have experienced growth in residential neighborhoods, such as nearby Briarwood Crossing subdivision. In addition, residential development is increasing along Seabourne Creek, which drains into Big Creek. Without the expansion of Big Creek, these residential neighborhoods, in addition to the existing housing along Big Creek, are continually in danger of flooding and

flash flooding from Big Creek. Increasing the channel's capacity to convey a 10-year frequency rainfall event would help reduce its floodplain levels, meaning more residents would be no longer in the floodplain and less vulnerable to flooding.

6. Describe how the proposed project aligns with investments from other state or local capital improvements and infrastructure development efforts. Identify sources and amounts of additional infrastructure funding (state and local capital improvements projects and/or private investments.) NOTE: This information will be required again in the "Other Funding" section of this application.

Since the expansion of Big Creek was identified as a need prior to Hurricane Harvey (although the amount of development that drains into Big Creek has increased exponentially since the project's inception), Fort Bend County has dedicated funds, staff, and equipment to excavating and expanding Big Creek. To date, the Fort Bend County Drainage District has completed the excavation of over 20 miles of the Big Creek waterway, extending from the Brazos River upstream to FM 2977. This has been funded through local tax dollars and other County funds.

7. Describe how the proposed project will employ adaptable and reliable technologies to guard against premature obsolescence.

The use of adaptable and reliable technologies during and after this project is not applicable. That said, once Big Creek has been excavated and expanded, the Fort Bend County Drainage District will maintain this drainage channel using reliable maintenance procedures and equipment. In addition, Fort Bend County is in the process of installing a Rain Gauge Network across the county that will tie into the Harris County Flood Control District's ALERT2 Flood Warning System to provide real-time data before, during, and after rainfall incidents. Using County funds, the Fort Bend County Drainage District will install a rain gauge at the Big Creek and State Highway 36 intersection to monitor the status of Big Creek and to provide early warnings in the event evacuations need to be called for.

8. Describe the applicant's overall recovery plan and how the project addressed in this application further that plan. Include information about how the project will specifically address the long-term recovery and restoration of housing in the most impacted and distressed areas. Also, include how the community will be more resilient against future disasters as a result of these projects.

The expansion of Big Creek was identified as a mitigation action in both the 2011 and 2018 Fort Bend County Hazard Mitigation Plan. To date, Fort Bend County Drainage District has completed excavation of over 20 miles of this waterway, extending from the Brazos River upstream to FM 2977. The requested funds would be used to complete the remaining 8 miles of improvements to the channel from FM 2977 (through the Village of Pleak) up to its confluence with Cottonwood Creek and Coon Creek (near Spur 10).

Following Hurricane Harvey, Fort Bend County prioritized projects to improve drainage throughout the county and/or mitigate future flooding incidents. Fort Bend County identified several areas of the county that experienced drainage and/or flooding issues that directly impacted housing and neighborhoods during Hurricane Harvey and past flooding incidents. The vast majority of these projects include drainage channel improvements and repairs. The County has also commissioned a study to provide an analysis of critical watersheds, drainage criteria, and flood concerns following Hurricane Harvey. This study will include 1) update of the Master Drainage Plan in critical watersheds; 2) Brazos River erosion analysis; 3) Brazos River floodplain development analysis; 4) update of the Drainage Criteria Manual; 5) analysis of potential flood control projects; and 6) Barker Reservoir project monitoring and engagement.

One of the drainage improvement projects that Fort Bend County highly prioritized is the excavation and expansion of the Big Creek channel. By not completing the excavation and expansion of the Big Creek channel, its current limited capacity will continue to cause drainage and flooding issues during future rainfall and flooding incidents to the homes and neighborhoods that drain into Big Creek. The area around the Big Creek channel is currently undergoing a development boom with new homes and neighborhoods being added every day.

PROCUREMENT INFORMATION

All applicants are required to follow the procurement process guidelines set forth in 2 CFR §200.318-§200.326 for grant administration, environmental, and engineering services if using CDBG-DR funds to pay third-party vendors for those services.

Along with this application, applicants must provide a copy of local procurement policies and procedures.

1. Has the applicant chosen to use a third-party administrator to administer the proposed project?

Yes No

If Yes, will the vendor also provide environmental services?

Yes No

If Yes to either question, and the vendor has been procured, provide the vendor's name, phone, and email.

If Yes, but the vendor has not been procured, adhere to 2 CFR §200.318-§200.326 regulations in the procurement process with each application.

Company Name

Contact Name Phone

Email

2. Has the applicant chosen to use a third-party environmental services provider to ensure environmental compliance for the proposed project? Yes No

If Yes, and the vendor has been procured, provide the vendor's name, phone, and email.

If Yes, but the vendor has not been procured, adhere to 2 CFR §200.318-§200.326 regulations in the procurement process with each application.

Company Name

Contact Name Phone

Email

3. Has the applicant chosen to use a third-party engineer to perform engineering services for the proposed project? Yes No

If Yes, and the vendor has been procured, provide the vendor's name, phone, and email.

If Yes, but the vendor has not been procured, adhere to 2 CFR §200.318-§200.326 regulations in the procurement process with each application.

Company Name

Contact Name Phone

Email

FUNDING INFORMATION

NOTICE: Any and all funds expended toward a CDBG-DR award are subject to ALL rules and regulations governing the award.

FEMA Coverage

Any and all FEMA funds received for benefit of any project proposed in this application must be fully disclosed and detailed to ensure the best cross-agency coordination and that duplication of benefit does not occur.

1. Was FEMA contacted regarding the proposed project's eligibility? Yes No

 If yes, provide all relevant FEMA project worksheets, FEMA project type, and evidence of funds committed/received/expended on the proposed project. Also, explain why funds are needed above and beyond the FEMA funding. Any project that sustained direct damage must have applied for FEMA Public Assistance.

2. Is this project a proposed FEMA funding match? Yes No

 If Yes, include information in the specific Project Detail section and in the Budget Table on Table 1.

Insurance Coverage

Any and all insurance proceeds received for benefit of any project proposed in this application must be fully disclosed and detailed to ensure that funds are used most efficiently and that duplication of benefit does not occur.

1. Did the applicant have insurance coverage on the proposed project? Yes No

If yes, provide the information below. (If more than one insurance company/claim, include here or attach additional information.)

Insurance company:

Amount claimed/received for the project:

2. If the applicant had insurance coverage, but a claim was not filed, explain below.

Other Funding

Any and all funds identified for use on any project proposed in this application must be fully disclosed and detailed to ensure accuracy in the budget and that a duplication of benefit does not occur. Make sure information is complete and matches the Long-Term Planning information provided.

1. Are local or other funds available to address the proposed project in whole or in part?

Yes No

If Yes, report all sources of funding and the amount available. (If additional space is needed, attach pages.)

2. Disclose source(s) and use(s) of non-CDBG-DR funds. Use "+" to add additional sources. Use "x" to remove that line.

Source of Funds	Amount	Use of Funds
<input type="text"/>	<input type="text"/>	<input type="text"/>

3. What other state and/or federal agencies has the applicant contacted concerning funding for the proposed project, and what were the results?

Connected to this proposed project, Fort Bend County submitted a FEMA Public Assistance Project Worksheet following Hurricane Harvey in order to stabilize the embankment of Big Creek downstream of this proposed project. The section of Big Creek being repaired under the FEMA Public Assistance Program sustained damage during the storm from soil sloughing, which was then washed downstream. This sloughing has caused erosion to the embankment of Big Creek, threatening the stability of the banks.

For this proposed project (the remaining expansion and excavation of Big Creek), Fort Bend County worked to develop a hazard mitigation grant application under the FEMA 2017 Hazard Mitigation Grant Program (HMGP). However, this project did not meet the FEMA requirement of having a Benefit Cost Ratio of 1.1 or greater and therefore not eligible for hazard mitigation funding. The developed application was not submitted to FEMA. That said, Fort Bend County still feels as though this is a needed and valid project.

Financial Interest

1. Are there any persons/entities with a reportable financial interest to disclose?

Yes No

Submit a complete FINANCIAL INTEREST REPORT (A503 form) with this application for each person/entity with a reportable financial interest. Include as appropriate for Grant Administration, Environmental, and/or Engineering. This form can be found at www.recovery.texas.gov or <http://recovery.texas.gov/files/resources/housing/s2-financial-interest-report.pdf>

PROJECT DETAIL

PROJECT DETAIL must be completed for every proposed project.

A *project* is defined as a discrete combination of: entity (i.e., city or county), activity (i.e., water, sewer, etc.), beneficiary population, and national objective. A *site* is defined as a discrete location for activities within a project. A project can have one or more sites. For example, one water project that consists of three generators throughout a city consists of three sites, one for each generator.

Each Project Detail must provide sufficient information to clearly identify the proposed project, define the location, indicate whether acquisition (i.e. real property, easements or rights-of-way) is required, clearly describe the scope of work, specify the populations who will receive benefit from the project, identify environmental assessment information, and outline funding detail to include any non-CDBG-DR funds to be used.

1. Select the type of project proposed:

Flood and Drainage Facilities

2. Provide a title for the proposed project.

NOTE: For the title, the spelling and capitalization of the project title and any associated site number(s) identified in the application must be consistently used throughout the application to ensure clear identification of each project and site number. e.g., a project title of "Green Acres, Site 3" here should appear as "Green Acres, Site 3" at every other reference in this application. A reference to some other title such as "green acres subdivision" or "#3 Green Street" elsewhere in the application could cause delays in the eligibility review process.

Project Title: Big Creek Expansion Project

3. Provide a physical address and the approximate GPS coordinates (in decimal degrees) for each proposed site along with project and beneficiary maps.

If the proposed project includes only one site, include the physical address and the GPS coordinates (in decimal degrees) for the site.

If the proposed project does not have a physical address, provide a site description.

If the proposed project includes more than one site, start with Site #1 from the drop-down list and **use the + button to add additional sites.**

Use sequential numbering for additional sites.

For proposed work involving a length of road, ditch, channel, etc., use the approximate midpoint coordinates for latitude and longitude, but identify the entire length of the proposed work and the assigned site number on the project map. Identify these type of sites in the application by completing the On-From-To fields. For instance, "On Main Street From Sycamore Street To Elm Street."

Attach project/site and beneficiary map(s) as described in the Application Guide.

Use the X button to remove a site as needed.

Site # <input style="width: 40px;" type="text" value="1"/>	<u>Physical Address or Site Description</u>	Big Creek from FM 2977 up to its confluence with Cottonwood Creek and Coon Creek (near Spur 10). Beginning Point: Downstream 29.46916 -95.77166 (FM 2977) End Point: Upstream 29.48044 -95.83138 (Cottonwood Creek - Spur 10) +
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From: <input style="width: 90%;" type="text" value="Big Creek at FM 2977"/>	To: <input style="width: 90%;" type="text" value="Big Creek at Cottonwood Creek (Spur 10)"/>
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<u>Latitude</u> <input style="width: 80%;" type="text" value="29.4719"/>	<u>Longitude</u> <input style="width: 80%;" type="text" value="-95.80474"/>
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Construction Completion Method: Contract

Provide a detailed description of the scope of work proposed. For proposed work involving a length of road, ditch, channel, etc., report the scope of the project in linear feet (lf).

This project will improve Big Creek's channel to be 1-2 feet deeper with a 3:1 slope with an approximate 30ft bottom width and a 170ft top

width (depending on the channel's natural brim). The length of the channel to be improved is approximately 29,375 lf.

NATIONAL OBJECTIVES

Choose one National Objective being met and provide justification of the beneficiary identification method used to meet that National Objective.

1. Activities benefiting low-to-moderate income persons.

Method(s) used to determine the beneficiaries:

LMI Area Benefit: LMI Housing Activity: LMI Limited Clientele: LMI Jobs:

2. Prevention/Elimination of Slums or Blighted areas. Area Basis Spot Basis

Yes No

Has the proposed project area been officially designed as a slum or blighted area?

If yes, what conditions are present in the area to designate and qualify the area as a slum or blighted area?

Describe the boundaries of the slum or blighted area. (Do not use this field to document the Census Tract / Block Group data.)

Enter the percentage of deteriorated buildings/properties in the area at the time it was designated a slum or blighted area. [Enter value as a decimal number. Example: .2526 = 25.26%]

If the activity qualifies for CDBG-DR assistance on the basis that public improvements throughout the area are in a general state of deterioration, enter a description of each type of improvement in the area and its condition at the time the area was designated a slum or blighted area.

Enter the year the area was designated as a slum or blighted area. If the period during which such designations are valid has lapsed, the applicant entity must re-evaluate and re-designate the area.

3. Urgent Need

Yes No

Do the existing conditions pose a serious and immediate threat to the health or welfare of the community?

Yes No

Were the existing conditions officially identified by the applicant as being of urgent need within 18 months of the 2016 event? If yes, provide that documentation.

Yes No

Is the applicant able to finance the project on their own? Or are other sources of funding available?

Provide justification of the beneficiary identification method used to meet this National Objective:

ACQUISITION/UNIFORM RELOCATION ASSISTANCE

Activities and projects assisted by CDBG-DR are subject to the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, as amended, (42 U.S.C. 4601 et seq.) ("URA") and section 104(d) of the HCD Act (42 U.S.C. 5304(d)) (Section 104(d)). The implementing regulations for the URA are at 49 CFR part 24. The regulations for Section 104(d) are at 24 CFR part 42, subpart C.

For the purpose of promoting the availability of decent, safe, and sanitary housing in response to Hurricane Harvey, HUD has waived the following URA and Section 104(d) requirements for subrecipients:

- a. One-for-one replacement.
- b. Relocation assistance.
- c. Arm's length voluntary purchase.
- d. Rental assistance to a displaced person.
- e. Tenant-based rental assistance.
- f. Moving expenses.
- g. Optional relocation policies.

Does the project require acquisition of property, purchase of easements, relocation, or any other activity requiring compliance with URA outside the listed waived activities?

Yes No

If yes, has acquisition of the project site(s) been completed, in progress, or will need to be acquired?

Select acquisition status: Previously Acquired Acquisition in Progress To be Acquired

Describe the type and purpose of all acquisition (easements, real property, etc.) associated with the proposed project. For acquisitions "Previously Acquired" or "Acquisition in Progress," include detailed information and supporting documentation to ensure compliance with all URA, 42 U.S.C. § 4601 et seq. and environmental review processes.

The Fort Bend County Drainage District already has some easements along this portion of Big Creek but will need to acquire the remaining easements to con

RESIDENTIAL ANTI-DISPLACEMENT AND RELOCATION ASSISTANCE PLAN

By signing this application, the signee certifies that they will establish and maintain a Residential Anti-displacement and Relocation Assistance Plan to minimize direct and indirect displacement of persons from their homes by including the steps noted below. Applicability of items on this checklist is dependent upon the proposed project objectives and related feasibility of each action.

- Coordinate code enforcement with rehabilitation and housing assistance programs
- Evaluate housing codes and rehabilitation standards in reinvestment areas to prevent undue financial burden on established owners and tenants.
- Stage rehabilitation of apartment units to remain in the building/complex during and after rehabilitation, working with empty units first.
- Arrange for facilities to house persons who must be relocated temporarily during rehabilitation.
- Adopt policies to identify and mitigate displacement resulting from intensive public investment in neighborhoods.
- Adopt policies which provide protections for tenants faced with conversion to condominium or cooperative.
- Adopt tax assessment policies, such as deferred tax payment plans, to reduce impact of increasing property tax assessments on lower income owner-occupants or tenants in revitalization areas.
- Establish counseling centers to provide homeowners and tenants with information on assistance available to help them remain in their neighborhood.
- Where feasible, give priority to rehabilitation of housing, as opposed to demolition, to avoid displacement.
- If feasible, demolish or convert only dwelling units that are not occupied or vacant occupiable "dwelling units" (as defined in 24 CFR 42.305).
- Target only those properties deemed essential to the need or success of the project.

PERMITS AND ADDITIONAL PROJECT INFORMATION

1. Does the project require any Federal, State, or other **permits, approvals, or waivers** to complete the proposed work? Yes No
 (i.e. Texas Department of Transportation, Texas Commission on Environmental Quality, U.S. Army Corps of Engineers, etc.)

If yes, describe the type and purpose of each permit and its association with the proposed project. Provide a copy of each permit already executed.

Permit Type:

Purpose of Permit:

2. Does the project require any type of ratified, legally binding agreement between the applicant and any other entity to provide continual operation upon completion? (i.e. Memoranda of Understanding, Interlocal Agreements, etc.) Yes No

If yes, describe the type and purpose of each agreement and its association with the proposed project. Provide a copy of each agreement already executed or drafted.

Agreement Type:

Purpose of Agreement:

3. For sewer and/or water facilities projects, does the applicant currently hold the Certificate of Convenience and Necessity (CCN) for the target area proposed in the application? If not, provide written documentation from the Public Utility Commission of Texas (PUC) verifying the application has been filed. Yes No N/A

ENVIRONMENTAL SPECIFIC INFORMATION

All funded applications MUST comply with federal regulations regarding environmental clearance before funds will be released.

NOTE: An Environmental Exemption form providing clearance for planning and administration activities must be attached.

- 1. What is the current status of the project? Not yet begun In progress Completed
- 2. Will the assistance requested have any negative impact(s) or effect(s) on the environment? YES NO
- 3. Is the proposed project likely to require an archaeological assessment? YES NO
- 4. Is the proposed site listed on the National Register of Historic Places? YES NO
- 5. Is the project in a designated flood hazard area or a designated wetland?
If Yes, attach a map showing the FIRM and/or list permitting requirements in "Other Project Approvals Required" below. YES NO
- 6. Is the applicant participating in the National Flood Insurance Program? YES NO
- 7. Is any project site located in a known critical habitat for endangered species? YES NO
- 8. Is any project site a known hazardous site? YES NO
- 9. Is any project site located on federal lands or at a federal installation? YES NO
- 10. Is any project site subject to or participating in Fixing America's Surface Transportation Action (FAST-41) (P.L. 114-94)? NO YES

11. What level of environmental review is likely needed for this project/site? Environmental Assessment

Provide any additional detail or information relevant to Environmental Review:

The Fort Bend County Drainage District obtained a 404 permit in October 2014 from the US Army Corps of Engineers for the work along Big Creek. As this is a 5-year permit, the Drainage District is already working with the US Army Corps of Engineers to extend the permit for another 5 years.

TABLE 1 - CONTRACT BUDGET AND BENEFICIARY IDENTIFICATION

Provide comprehensive budget information to include construction, engineering, acquisition, environmental services, and administrative costs. Also include all other funds (FEMA, insurance, local, etc.) committed to the completion of the proposed projects.

A project is defined as a discrete combination of: entity (i.e., city or county), activity (i.e., water, sewer, etc.), beneficiary population, and national objective. A site is defined as a discrete location for activities within a project. A project can have one or more sites.

BUDGET TABLE:

Project Title:	Total Benes	LMI Benes	LMI %	CDBG-DR Construction	CDBG-DR Engineering	CDBG-DR Acquisition	CDBG-DR Environmental	CDBG-DR Admin	Total CDBG-DR Request	Other Funds	Activity Total
# [] Big Creek Expansion Project	7,470	4,400	58.90%	\$9,478,245.00	\$1,421,736.00	\$1,115,883.00	\$100,000.00	\$945,031.00	13,060,895	\$0.00	13,060,895
SUMMARY TOTALS:	7,470	4,400	58.90%	\$9,478,245.00	\$1,421,736.00	\$1,115,883.00	\$100,000.00	\$945,031.00	13,060,895	\$0.00	13,060,895

Beneficiary Identification Method(s) Per Project:

[] Project Title: Big Creek Expansion Project

HUD National Objective: Benefiting low- and moderate- (L/M) income persons

Select One Benefit Type: City-wide Benefit County-wide Benefit Area Benefit Direct Benefit

Select Beneficiary Identification Method:

SURVEY: An approved TxCDBG survey was used to identify the beneficiaries for this activity.

HUD LMISD information was used to identify the beneficiaries for this activity.

The required Census or Texas State Data Center map has been provided.

Provide the number of beneficiaries identified through each of the following methods for this activity:

TxCDBG Survey: 0 HUD LMISD: 7,470 Area Benefit: 0 Housing Activity: 0 Limited Clientele: 0

Race	# Non-Hispanic Beneficiaries	# Hispanic Beneficiaries	Total Activity Beneficiaries
White	2,223	3,908	6,131
Black African American	573	0	573
Asian	96	35	131
Native Hawaiian / Other Pacific Islander	4	4	8
Black African American/White	10	23	33
American Indian/Alaskan Native/White	7	17	24

Other Multi-Racial	46	112	158
	0	0	0
Gender	Total Males	Total Females	Total Benes
	3651	3819	7470

REQUIRED - Census Geographic Area Data										County Code		
Identify the census tract and block group(s) in which the project will take place										157		
Census Tract (6-digit)	01	02	03	04	05	06	07	08	09	10		
6754.00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
6754.00	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
6755.00	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
58088.00	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

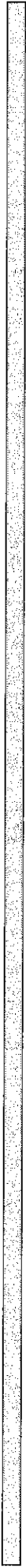


TABLE 2 - BUDGET JUSTIFICATION OF RETAIL COSTS

Cost Verification Controls must be in place to assure that construction costs are reasonable and consistent with market costs at the time and place of construction.

Project Title: **Big Creek Expansion Project**

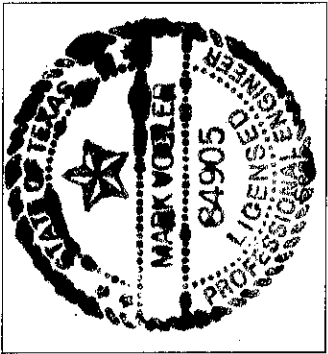
Eligible Activity: Flood and Drainage Facilities		HUD Activity #: 5				
Materials/Facilities/Services	\$/Unit	Unit	Quantity	Construction	Acquisition	Total
Clearing and Grubbing	\$4,800.00	AC	127	\$611,568	\$0	\$611,568
Excavation and Hauling	\$15.00	CY	425,822	\$6,387,330	\$0	\$6,387,330
Backslope Drains (1000' max spacing)	\$4,284.41	EA	54	\$231,358	\$0	\$231,358
Ditch cleaning and reshaping (Backslope swales)	\$3.17	LF	52,856	\$167,554	\$0	\$167,554
Drill Seeding (PERM) (WARM or COOL) & Fertilizing	\$1,095.85	AC	127	\$139,622	\$0	\$139,622
Stabilized Construction Exit (TY 1) (Install)	\$31.20	SY	333	\$10,399	\$0	\$10,399
Stabilized Construction Exit (Remove)	\$9.08	SY	333	\$3,026	\$0	\$3,026
Staging Area (Flexible Base CMP in place, TYA GR1-2)	\$18.44	SY	1,500	\$27,660	\$0	\$27,660
Temporary Sediment Control Fence (Install)	\$3.07	LF	58,080	\$178,306	\$0	\$178,306
Temporary Sediment Control Fence (Remove)	\$0.92	LF	58,080	\$53,434	\$0	\$53,434
Biodegradation Erosion Control Logs 12" (Install)	\$6.04	LF	58,080	\$350,803	\$0	\$350,803
Biodegradation Erosion Control Logs (Remove)	\$1.15	LF	58,080	\$66,792	\$0	\$66,792
Stabilized Construction Exit (Install)	\$110.00	Hour	128	\$14,101	\$0	\$14,101
Contingency			1	\$1,236,292		\$1,236,292
Land Acquisition	\$1,115,883.00	EA	1		\$1,115,883	\$1,115,883
				\$9,478,245	\$1,115,883	\$10,594,128

1. Identify and explain the annual projected operation and maintenance costs associated with the proposed activities.

\$150,000

2. Identify and explain any special engineering activities.

N/A



Mark Vobler P.E.

Signature of Registered Engineer/Architect Responsible For Budget Justification:

5/23/19 281-342-2863

Phone Number

Date:

PROJECT SCHEDULE

A schedule must be provided for each project. Highlight the projected length in months for each phase by clicking on the desired months. If a phase is not applicable, leave it blank. Projects are expected to be completed within 24 months following execution of the contract between the applicant and the GLO. Provide any comments regarding the schedule that may be helpful.

Project Title: **Big Creek Expansion Project**

Eligible Activity: Flood and Drainage Facilities HUD Activity #: 5

MONTHS:	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Professional Procurement		■	■																						
Environmental Review				■	■	■	■	■	■																
Acquisition				■	■	■	■	■	■																
Engineering Design				■	■	■	■	■	■																
Construction										■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Closeout Completion																									
Extended Activity																									

Comments: Construction (exavaction within the channel) itself may take longer due to weather, etc.


LOCAL CERTIFICATIONS

Every Application must be signed by the authorized signatory. By signing this application, the signee authorizes the state or any of its duly authorized representatives to verify the information contained herein. It should be noted that 18 USC § 1001 states that any person who (1) knowingly or willfully falsifies, conceals, or covers up by any trick, scheme, or device of material fact, (2) makes any materially false, fictitious, or fraudulent statement or representation; or (3) makes or uses any false writing or document knowing the same to contain any materially false fact, fictitious, or fraudulent statement or is a federal offense and punishable under the law. Title 18, Section 1001 of the U.S. code states that a person is guilty of a FELONY for knowingly and willingly makes false statements to any department of the United States Government.

Each application for CDBG Disaster Recovery funding must also be accompanied by a completed and signed Application for Federal Assistance Standard Form 424 (SF-424).

Each applicant must comply with the provisions of the National Environmental Policy Act (NEPA), the Council on Environmental Quality (CEQ) regulations, the requirements set forth in title 24 of the Code of Federal Regulations (CFR) part 58, and applicable GLO-CDR policy directives. All applicable federal and state laws, including environmental, labor (Davis-Bacon), procurement procedures and contract requirements of 2 CFR 200.318 -200.326, and civil rights requirements apply to the use of these funds. Each applicant certifies, in compliance with the requirements presented in Volume 81, Number 224 of the Federal Register effective November 28, 2016, that:

1. It has in effect and is following a residential anti-displacement and relocation assistance plan in connection with any activity assisted with funding under the CDBG-DR program;
2. It is in compliance with restrictions on lobbying required by 24 CFR part 87, together with disclosure forms, if required by part 87;
3. It will comply with the acquisition and relocation requirements of the Uniform Act (URA), as amended, and implementing regulations at 49 CFR part 24, except where waivers or alternative requirements are provided for in the Federal Register notice.
4. It will comply with section 3 of the Housing and Urban Development Act of 1968 (12 U.S.C. 1701u), and implementing regulations at 24 CFR part 135.
5. It is following a detailed citizen participation plan that satisfies the requirements of 24 CFR 91.105 Public Participation Plan as it pertains to local government administration of CDBG-DR funds. or 91.115 Public Participation Plan as it pertains to State administration of CDBG-DR funds., as applicable (except as provided for in notices providing waivers and alternative requirements for this grant). Also, each Unit of General Local Government (UGLG) receiving assistance from a state grantee must follow a detailed citizen participation plan that satisfies the requirements of 24 CFR 570.486 (except as provided for in notices providing waivers and alternative requirements for this grant).
 - a) Funds will be used solely for necessary expenses related to disaster relief, long-term recovery, restoration of infrastructure and housing, and economic revitalization in the most impacted and distressed areas for which the President declared a major disaster in 2016 pursuant to the Robert T. Stafford Disaster Relief and Emergency Assistance Act of 1974 (42 U.S.C. 5121 et seq.) related to the consequences of the 2016 flood events.
6. The grant will be conducted and administered in conformity with title VI of the Civil Rights Act of 1964 (42 U.S.C. 2000d) and the Fair Housing Act (42 U.S.C. 3601 -3619) and implementing regulations, and that it will affirmatively further fair housing.
7. It has adopted the following policies:
 - a) A policy prohibiting the use of excessive force by law enforcement agencies within its jurisdiction against any individuals engaged in non-violent civil rights demonstrations; and
 - b) A policy of enforcing applicable state and local laws against physically barring entrance to or exit from a facility or location that is the subject of such nonviolent civil rights demonstrations within its jurisdiction.
8. It will not use CDBG-DR funds for any activity in an area identified as flood prone for land use or hazard mitigation planning purposes by the state, local, or tribal government, or delineated as a Special Flood Hazard Area in FEMA's most current flood advisory maps, unless it also ensures that the action is designed or modified to minimize harm to or within the floodplain, in accordance with Executive Order 11988 and 24 CFR part 55. The relevant data source for this provision is the state, local, and tribal government land use regulations and hazard mitigation plans and the latest issued FEMA data or guidance, which includes advisory data (such as Advisory Base Flood Elevations) or preliminary and final Flood Insurance Rate Maps.
9. Its activities concerning lead-based paint will comply with the requirements of 24 CFR part 35, subparts A, B, J, K, and R.
10. It will comply with applicable laws.
11. It will comply with the environmental requirements presented in 24 CFR Part 58.

Date	May 28, 2019
Printed Name	Honorable K.P. George 
Title	County Judge
Email	county.judge@fortbendcountytexas.gov
Phone Number	+1 (281) 341-8608

