Non-housing Project Application
Community Development Block Grant - Disaster Recovery
2015 Floods and Storms (DR-4223 and DR-4245)

Texas General Land Office
Community Development and Revitalization Program

<table>
<thead>
<tr>
<th>Harris County</th>
<th>APPLICANT NAME</th>
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<tr>
<th>Harris</th>
<th>H-GAC</th>
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<tr>
<td>COUNTY</td>
<td>REGION</td>
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</table>

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**APPLICATION FOR CDBG-DR ASSISTANCE**

1. **TYPE OF SUBMISSION**
   - Construction
   - Non-Construction

2. **DATE SUBMITTED:**
   - APPLICANT IDENTIFIER:

3. **DATE RECEIVED BY STATE:**
   - STATE APPLICATION IDENTIFIER:

4. **DATE REC'D by FEDERAL AGENCY:**
   - FEDERAL IDENTIFIER:

5. **APPLICANT INFORMATION:**
   - **Legal Name:** Harris County
   - **Address (City, County, State, and Zip Code) of applicant:** 8410 Lantern Point Drive, Houston, Texas 77054-1552
   - **Organizational Unit:** Community Services Department
   - **Name/Title, Agency or Company, Address, Area Code, Telephone and Fax Numbers, and e-mail address of application preparer:**
     - David B. Turkel, Executive Director, 8410 Lantern Point Drive, Houston, Texas 77054-1552, 713-578-2000, 713-578-2000, david.turkel@csd.hctx.net

6. **EMPLOYER IDENTIFICATION NUMBER (EIN):** 76-0454514

7. **TYPE OF APPLICANT:**
   - A. Municipal
   - B. County

8. **TYPE OF APPLICATION:**
   - New
   - Continuation
   - Revision

9. **NAME OF FEDERAL / STATE AGENCY:** Texas General Land Office

10. **CATALOG OF FEDERAL DOMESTIC ASSISTANCE NUMBER:** 14.228

11. **TARGET AREA(S) AFFECTED BY THE PROJECT:**

12. **APPLICANT'S FISCAL YEAR:**
    - **Beginning Date:** Mar 1, 2017
    - **Ending Date:** Feb 28, 2018

13. **CONGRESSIONAL DISTRICTS:**
    - Representative: 126,122 Senate: 4,6,7,1 Congress: 2,7,8,9

14. **ESTIMATED FUNDING:**
    - A. CDBG-DR REQUEST: $812,023.99
    - B. FEDERAL:
    - C. STATE:
    - D. APPLICANT:
    - E. LOCAL:
    - F. OTHER:
    - G. TOTAL: $812,023.99

15. **IS THE APPLICATION SUBJECT TO REVIEW BY STATE EXECUTIVE ORDER 12372 PROCESS?**
    - Yes
    - No

16. **IS THE APPLICANT DELINQUENT ON ANY FEDERAL DEBT?**
    - Yes. If "Yes", attach an explanation.  
    - No

17. **TO THE BEST OF MY KNOWLEDGE AND BELIEF ALL DATA IN THIS APPLICATION/PREAPPLICATION ARE TRUE AND CORRECT. THE DOCUMENT HAS BEEN Duly AUTHORIZED BY THE GOVERNING BODY OF THE APPLICANT AND THE APPLICANT WILL COMPLY WITH THE CERTIFICATIONS AND CITIZEN PARTICIPATION PLAN INCLUDED IN THE PROCEDURES SECTION OF THE CDBG-DR PROGRAM APPLICATION GUIDE IF THE ASSISTANCE IS AWARDED.**

   - **Typed Name of the Applicant's Authorized Representative:** David B. Turkel
   - **Title:** Executive Director
   - **Telephone Number:** +1 (713) 578-2002
   - **E-mail Address:** david.turkel@csd.hctx.net

   - **Signature of the Applicant's Authorized Representative:**
     - **Date:** May 9, 2017
INSTRUCTIONS

1. This application is for non-housing activities.

All activities must have documented proof of an impact by DR-4223 and/or DR-4245 disaster declarations in 2015. Community Development Block Grant - 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 declarations will not qualify unless the disaster impacted the project.

All eligible activities must be directly related to DR-4223 and/or DR-4245 disaster declarations in 2015 through actual direct damage and allowed under the State of Texas Plan for Disaster Recovery.

2. Applicants are encouraged to develop their community recovery projects in a manner that considers an integrated approach to housing, Fair Housing obligations, economic revitalization, and overall community recovery. Applicants also must document how the use of these funds will address long-term recovery.

3. For detailed information regarding application instructions, see Community Development and Revitalization (CDR) Application Guide.

PROJECT APPROVAL INFORMATION

1. Has the applicant chosen to self-administer the proposed project? ☒ ☐ ☐
2. Has the applicant chosen to use a third-party administrator to administer the proposed project? ☐ ☒ ☐
3. Has the applicant chosen to use an in-house engineer to perform engineering services for the proposed project? ☒ ☐ ☐
4. Has the applicant chosen to use a third-party engineer to perform engineering services for the proposed project? ☐ ☒ ☐
5. Does the project require acquisition of property, purchase of easements, relocation or any other activity requiring compliance with the Uniform Relocation Act? ☐ ☒ ☐
6. Will the assistance requested cause the displacement of families, individuals, farms, or businesses? ☐ ☒ ☐
7. If FEMA or Insurance funds were received for any project in this application, the use of those funds must be fully described in the project summary and included in the project budget if they are applied to project development. ☐ ☒ ☐
8. Will the assistance requested serve or be located at a Federal installation? ☐ ☒ ☐
9. Is a generator involved in this project? ☐ ☒ ☐
10. Has the applicant obtained a ratified, legally binding agreement, contingent upon award, between the applicant and the service provider that will operate the project for the continual operation of the improvements as proposed in the application? ☐ ☒ ☐
11. Does the applicant or service provider currently hold the Certificate of Convenience and Necessity (CCN) for the target area proposed in the application? ☐ ☒ ☐
   Can the applicant or service provider include documentation (written verification) from the Texas Commission on Environmental Quality (TCEQ) documenting the receipt of the applicant or service provider's application by attaching this written verification to the submitted application? ☐ ☒ ☐

DISASTER RECOVERY PROJECT INFORMATION

FEMA Coverage

1. Was FEMA contacted regarding project eligibility? ☒ ☐ ☐
2. If FEMA was contacted, please provide FEMA response. (Attach all relevant documentation)
   N/A
3. If project was determined to be eligible, were FEMA funds committed/received for the projects? ☐ ☒ ☐
4. If FEMA funds were received, please provide the amount received, explain why funds are needed above and beyond FEMA funds, and include a copy of the project worksheet.

5. Report any/all sources of funding available for the proposed project:

<table>
<thead>
<tr>
<th>Funding Source(s):</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Amount(s):</td>
<td></td>
</tr>
</tbody>
</table>

**Insurance Coverage**

1. Did the applicant have insurance coverage on the proposed project? If YES, please provide the following information: [ ] Yes [ ] No [ ] N/A

2. Name of the Insurance Company: N/A

3. Did the applicant file a claim with the insurance company? [ ] Yes [ ] No [ ] N/A

4. Amount of Coverage: N/A

5. Was there a deductible? [ ] Yes [ ] No [ ] N/A

   If yes, how much was the deductible?:

6. If the applicant had insurance coverage and a claim was not filed, why did the applicant not file a claim? N/A

8. The situation addressed in this application has already threatened human life and safety or poses an imminent threat to human life, health, or safety. [ ] Yes [ ] No [ ] N/A

9. The situation addressed in this application is unanticipated and beyond the control of the local government. [ ] Yes [ ] No [ ] N/A

10. The situation addressed in this application first occurred: 5/26/2015

11. Are local or other funds available to completely address the situation instead of CDBG-DR funds. [ ] Yes [ ] No [ ] N/A

12. What other state and/or federal agencies has the city/county contacted concerning funding of this project, and what were the results? No other agencies have been contacted concerning funding for the proposed projects.

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

   **Pct. 1 Flood/Drainage Improvements** - If no action is taken, then the risk of immediate impacts such as damage to property from poor drainage, health threats created from standing water, contamination, impeded access for emergency services and loss of life will be increased.

   **Pct. 2 Western Home Street Improvements** - If no action is taken to repair the damaged infrastructure, the roads will continue to deteriorate and eventually fail. Residents will be unable to access their homes, emergency services will be impeded and other utility infrastructure will be impacted.

   **Pct. 3 Bear Creek Park Sewer Facilities** - If no action is taken, during flood events the park’s wastewater system will continue to operate and become overloaded, resulting in a loss of control and allowing water to pass too quickly through the treatment plant and resulting in discharges that are not properly treated. The improperly treated water could contaminate flood waters and pose a public health hazard and violate TCEQ rules.

**ENVIRONMENTAL SPECIFIC INFORMATION**

Eligible activities must be able to satisfy the environmental review requirements.

1. What is the current status of the project? [ ] Not yet begun [ ] In Progress [ ] Completed

Harris County  
Harris  
H-GAC
Date of Disaster Event: 05/25/2015

2. Will the assistance requested have any negative impact(s) or effect(s) on the environment?  
   □ YES  ☒ NO

   Note: All funded applications will have to comply with Federal regulations regarding environment clearance before funds are released.

3. Based on available information, is the proposed project likely to require an archaeological assessment for any proposed site?  
   □ 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?  
   □ YES  ☒ NO

   Is the applicant participating in the National Flood Insurance Program?  
   □ YES  ☒ NO

6. Is any project site located in a known critical habitat for endangered species  
   □ YES  ☒ NO

7. Is any project site a known hazardous site?  
   □ YES  ☒ NO
COMMUNITY NEEDS ASSESSMENT

LIST OF ALL IDENTIFIED COMMUNITY NEEDS / PROBLEMS

1. Improvement of drainage systems
2. Need to improve and harden community facilities/infrastructure against flooding
3. Need to repair roadways damaged by flooding.
4. Need to buyout repetitively flooded housing.

HOUSING NEEDS ASSESSMENT QUESTIONNAIRE:

Describe the jurisdiction’s current supply of affordable housing (Public Housing, Section 8 assisted, RHS assisted, HOME program assisted, TDHCA assisted, Local Housing Development Corp. assisted, etc.).

The Kinder Institute reports that the county has roughly 90,000 subsidized rate units. Harris County has 29,500 Section 8 vouchers from HHA and HCHA and 4,153 LIHTC units within its service area. The area has 12 project based subsidized multi-family complexes with over 1,200 affordable units. The county’s Community Services Dept provided 119 homeownership opportunities via its Downpayment Program to low-income households over the last 3 years.

Describe the applicant’s past efforts to increase the supply of affordable housing.

The county’s Community Services Dept provided 119 homeownership opportunities via its Downpayment Program to low-income households and provide housing rehabilitation to 106 households over the last 3 years. HC Public Health has performed 66 lead based paint abatement to low-income units during the same period. The county also provided rental assistance to 680 households.

Describe any future efforts that the applicant plans to undertake to increase the supply of affordable housing.

The county will continue to offer its downpayment program serving an estimated 50 low income households and housing rehab program serving 30 low income households. It is expected that four multi-family apartment complexes (new) will complete construction and provide approximately 550 affordable units and 127 affordable units will be renovated.

Describe any instances where the applicant has applied for affordable housing funds and did not receive the funding.

The county recently applied to the Texas Veterans Commission for rental assistance funding but was not awarded.

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

The county twice applied to the Texas Veterans Commission for rental assistance funding but was not awarded in 2015 and 2017.

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

As a county, Harris County has limited authority to adopt and enforce codes per State Statutes. The county does enforce compliance codes for building in floodplains, drainage standards, and participates in the FEMA Community Rating System (CRS) which promotes initiatives above minimum standards. The Fire Marshal also enforces codes and has inspection authority with Fire Standards.
AFFIRMATIVELY FURTHERING FAIR HOUSING ACTIVITIES

Any locality receiving CDBG-DR funds must certify that it will affirmatively further fair housing. Using the below drop-down box, please identify the activities presently undertaken to affirmatively further fair housing and which new activities will be undertaken if an award is made by CDBG-DR. 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 should contact GLO-CDR to determine eligibility.

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

Project prioritization was beside on needs identified during the county’s citizen participation efforts. Stakeholder interviews and residents surveyed identified repairing flood damage infrastructure, improvements to drainage systems and hardening assets for future flood events to be highly needed. The county also prioritized projects that improved low-income and or minority neighborhoods that were affected by the Presidentially Declared Disasters in 2015.

<table>
<thead>
<tr>
<th>Activity(ies)</th>
<th>Undertaken</th>
<th>To be Undertaken</th>
</tr>
</thead>
<tbody>
<tr>
<td>Designating a Fair Housing Month</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Publishing the contact information – at the local, state and federal levels – for report</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Develop an anti-NIMBYism action plan</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Providing Housing Choices outside historically minority and/or LMI neighborhoods</td>
<td>X</td>
<td></td>
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</tbody>
</table>

CITIZEN PARTICIPATION DETERMINED THE NEEDS IN THIS APPLICATION BY:

Did the applicant provide reasonable advance notice for citizen participation?  X Yes □ No

List all opportunities where citizens, especially low-to-moderate income citizens of the target area, were given to participate in the determination of these needs:

| Assessment Type: | Community Survey | Assessment Date: | Sept 19-22, 2016 |
| Assessment Date: | Sept 19-22, 2016 |
| Assessment Type: | Community Survey | Assessment Date: | Sept 27-28, 2016 |
| Assessment Date: | Sept 27-28, 2016 |
| Assessment Type: | Community Survey | Assessment Date: | Sept 30, 2016    |
| Assessment Date: | Sept 30, 2016    |
| Assessment Type: | Community Survey | Assessment Date: | Oct. 29, 2016    |
| Assessment Date: | Oct. 29, 2016    |
| Assessment Type: | Other            | Assessment Date: | October 2016     |
| Assessment Date: | October 2016     |

Describe "Other":

Interviews with local stakeholders, community groups, housing authorities

Date of resolution authorizing application submission: May 9, 2017

DESCRIPTION OF THE NEED(S) ADDRESSED IN THIS APPLICATION

Provide full and complete answers to each of the questions below. Descriptions should include the cause of the damage, current condition of the facility, and a detailed description of the project that coincides with the information contained in both Table 1 and 2.

All activities must have documented proof of an impact by the floods and storms. CDBG-DR funds must be used for disaster related expenses in the most impacted and distressed areas.
1. Describe the specific flood and storm related condition that caused direct damage:

Pct. 1 Flood/Drainage Improvements - The severe rainfall and storms from the Memorial Day 2015 declared disaster caused flooding the overwhelmed the current ditches and culverts on East Mount Houston Road and on the roads within the Beaumont Place and Northline Terrace Subdivisions.

Pct. 2 Western Home Street Improvements - The high intensity and short duration rain event of the Memorial Day 2015 event overwhelmed the existing drainage system in the Western Homes Subdivision causing extensive roadway and structure flooding in the East Aldine area. Roadways throughout the Western Homes Subdivision were submerged for many hours by flood waters.

Pct. 3 Bear Creek Park Sewer Facilities - Torrential rainfall fell in west Harris County, including in and around Bear Creek Park on Memorial Day 2015. In the days that followed, water levels continued to rise in the park as the five channels that feed the Addicks Reservoir, within which the park is located, deposited storm water from north and west of the park facility resulting in flooding.

2. Describe the system that was damaged and how it was damaged:

Pct. 1 Flood/Drainage Improvements - There were excessive amounts of rainfall which caused the land within the subdivisions to oversaturate with water and roadside ditches/culverts located on East Mount Houston Road, Beaumont Place subdivision, and Northline Terrace subdivision to exceed their capacity and overflow from flooding. Large amounts of debris in the ditches and culverts caused clogging which slowed water flow and drainage.

Pct. 2 Western Home Street Improvements - The roadway system was damaged after being submerged in floodwater for numerous hours. As water sat on the roadway, it penetrated the driving surface through existing cracks and voids around the aggregate. The existing asphalt is well beyond its designed life expectancy. This caused the base course and in some areas, the subgrade, to be saturated and wash out as the water receded. This left the driving course unsupported which lead to map cracking and large pothole failures.

Pct. 3 Bear Creek Park Sewer Facilities - The Wastewater Treatment System at Bear Creek Park sustained heavy damage. Tremendous pressure was brought to bear on the Wastewater Treatment Plant (WWTP). By the end of the event, the WWTP was no longer operable. As flood water entered the wastewater treatment system, the system went on hydraulic overload, and tremendous water pressure was brought to bear on system components, including the WWTP, which is the destination for all of the wastewater. After the Memorial Day Flood, the plant was no longer integral, multiple leaks formed in the tanks and other WWTP system components. The WWTP had to be totally rebuilt.

3. How does the project support housing?:

Pct. 1 Flood/Drainage Improvements - The project supports housing by helping to mitigate the risk of future flooding in the area, and increasing the speed of recovery by improving water flow and drainage.

Pct. 2 Western Home Street Improvements - These roads provide the only means of access to 187 residential lots in Western Homes subdivision. The damaged infrastructure directly impacts resident quality of life. Damaged subdivision roadways hinder resident's ability to access local businesses, places of work, schools and public transportation. Damaged roadways also lower property values and impact home owner's ability to maintain their properties. Preservation of the roadway is critical to community sustainability.

Pct. 3 Bear Creek Park Sewer Facilities - The project supports housing because the park comprises the primary outdoor recreational destination for residents of multi-family housing and other residents in the surrounding area.

4. Describe the impacts on the community that resulted in direct damage:

Pct. 1 Flood/Drainage Improvements - Persons living in the communities encountered water damage to their homes and/or personal property, replacement costs, a disruption in mobility, loss of revenue from downtime, and potential exposure to health issues created from standing water (i.e. illness caused from contamination, mosquitoes, etc.). This disruption also created a financial hardship or burden on the community.

Pct. 2 Western Home Street Improvements - Damaged roadways impede fire, police, and EMT access and response times. If roadways are not repaired, they will lead to possible degradation of other services. Damaged roadways could contribute to follow on utility infrastructure failures (water and sewer) and inability for public and private entities to access the area for repairs to above ground and buried lines, poles, and other equipment. The cracks and potholes are also dangerous for children, the elderly and disabled residents.
Pct. 3 Bear Creek Park Sewer Facilities - As a result of the system damage after the Memorial Day flood event in 2015, Bear Creek Park was closed for three weeks since the rest room facilities were inoperable. After the Memorial Day flood, the WWTP was compromised and no longer operable. Parks Staff and County Engineers developed an alternative configuration of the Wastewater System to allow for the rest room facilities to be re-opened. The lift stations pumped (lifted) wastewater to three large temporary holding tanks, which were installed just outside the compromised WWTP. The wastewater was then periodically hauled out by contract tanker trucks for appropriate disposal off site.

5. Describe how the proposed activities will address damage of the system affected by the floods and storms:

Pct. 1 Flood/Drainage Improvements - The proposed activities will help to improve the flow of accumulated water from ditches and through culverts, and/or help speed recovery time of by faster drainage caused by flooding and storms.

Pct. 2 Western Home Street Improvements - This road project is the first step in addressing the damage caused by the 2015 flood events. It will create a newly upgraded, sealed road surface that is less susceptible to standing flood water infiltration. Stabilization and repair of the base course will correct structural failures, greatly improving mobility. Roadway repairs will correct the immediate 2015 flood damage, but a long term drainage solution is needed to help lessen the devastation this is caused by high intensity rainfall. A drainage study was conducted within the Western Homes Subdivision and surrounding areas in 2016. Large scale, subdivision and surrounding area drainage improvements are needed to mitigate the Western Homes drainage problems. The scope of these projects is significant, costly, and will require multiple agency coordination. While the work involved with planning, funding and executing these projects is on-going, preservation of the roadways and steps to prevent future roadway damage are the immediate, attainable goal.

Pct. 3 Bear Creek Park Sewer Facilities - The proposed project will mitigate damage in the future by allowing Parks Wastewater Treatment Staff to turn off the pumps at the lift stations in a timely fashion as flood waters begin to rise, thereby eliminating the possibility of hydraulic overload of the wastewater system. There will be no threat to public health, and no risk of TCEQ rules violations or permit non-compliance, or of potential fines since the system will be shut down.

6. List materials submitted as documentation of the floods and storms related condition:

Pct. 1 Flood/Drainage Improvements - Materials that were submitted include damage reported in FEMA/SBA individual assistance data within unincorporated Harris County.

Pct. 2 Western Home Street Improvements - Documentation includes Harris County Engineering Permits for Flood Damage Repairs, Flood Damage Survey Responses, canvassing and photos of the area after the event and addresses of flooded homes with approximate water depth.

Pct. 3 Bear Creek Park Sewer Facilities - Harris County Precinct 3 Parks Staff observed flooding in the park and damage to the wastewater system from the excessive rainfall and channel flows as documented by the National Weather Service, the Harris County Flood Control District and engineer inspection of the system.

7. Describe the proposed project:

Pct. 1 Flood/Drainage Improvements - The project will improve the current drainage of roadside ditches on East Mount Houston Road, and the Beaumont Place and Northline Terrace subdivisions by relieving flooding. This can be accomplished by managing drainage, reshaping or protecting ditches, regrading the ditches, providing additional drainage improvements to the ditches and culverts that are clogged with water, dirt and debris, and replacing culverts. The size of the culvert may be increased in some cases. This will help speed up both water flow and drainage.

Pct. 2 Western Home Street Improvements - The proposed street improvements project will mill and overlay all seven roads in the Western Homes Subdivision. Harris County Precinct 2 will cover the amount over the grant funding and all of the related engineering costs. Civil design and surveying will be done in house. Geotechnical services will be contracted. This will remove the existing 21ft wide, 2 lane, asphalt driving surface and replace it with a new Type D asphalt surface. In select areas where sub-grade and base failures are identified, sub-grade stabilization and base repair will be executed. Striping will be installed on the new roadway surface.

Pct. 3 Bear Creek Park Sewer Facilities - The proposed project is to establish an early-warning detection and remote-control system to govern key components of the 42,000-gallon Wastewater Treatment System at Bear Creek Pioneers Park. System components include 9 (nine) lift stations, which pump wastewater from various locations and installations in and around the 2,200-acre public park to a Wastewater Treatment Plant. The project would install a real-time rain/flood gauge for the water level in the park, strategically placed to provide information of value to lift-station assets. This gauge would relay information electronically to cell-phones or computers of key county employees. It would also install real-time electronic monitoring components at each of the 9 (nine) lift stations in the park, which would relay information about water levels, station operation, mechanical performance and electrical performance. Information would be relayed to cause initiation of warning.
cell-phone call under pre-established conditions or parameters. Key county employee(s) would be notified of an impending dangerous situation. The electronic system would include remote-control options that would allow key employee(s) to remotely (using a lap-top computer or other device) shut down the lift stations, lift station pumps, or other system components.

**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. Applicants must also document how the use of these funds will address long-term recovery.

1. Provide a brief description of how the projects addressed in this application form part of an integrated approach to recovery.

   On May 4 to June 23, 2015 (Memorial Day) FEMA Disaster 4223 and October 22 to 31, 2015 (Halloween) FEMA Disaster 4245, Harris County sustained significant damage from two major flooding events that resulted from severe storms, tornadoes, straight-line winds and flooding. As a result, both flooding events were Presidentially Declared as Disasters in Harris County.

   Due to the limited amount of Disaster Recovery CDBG funding available, the county encourages a focus on key systems, which will have an affect to correct damage, alleviate future disasters, particularly flooding and/or increases public safety and mitigation. Under the housing category, the Harris County Flood Control District will leverage CDBG-DR funding with its existing Hazard Mitigation grant program to work with the entire county to buyout repetitively flooded housing, particular low-income homeowners. The non-housing funding will correct damage or failure to function of critical infrastructure such as drainage, damaged roadways systems and sewer systems in the area for the long-term protection to housing and businesses. These projects are a part of a long term improvement project for these low-income and or minority neighborhoods.
The Project Summary consists of 4 parts for each target area and/or activity: 1) Summarize Problem(s) and 2) Location and acquisition 3) Detailed Actions to address Problems and 4) Disclosure on non-CDBG-DR funds.

1. Summarize the problem(s) to be addressed within the application by target area.

Inadequate drainage along roadside ditches and culverts on East Mount Houston Road.

2. Identify the location of each activity/target area and any acquisition activity.

The spelling and capitalization of the Target Area name(s) listed here must match Table 1. e.g. "Green Acres" should not appear elsewhere as "green acres subdivision".

<table>
<thead>
<tr>
<th>Project Title/Target Area</th>
<th>Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Harris County Precinct 1 - Flood and Drainage Improvements - East Mount Houston Road</td>
<td>5 Flood and Drainage Facilities</td>
</tr>
</tbody>
</table>

-OR-

Provide a brief description of the location of the activity/target area.

-OR-

Provide physical address if possible.

<table>
<thead>
<tr>
<th>Latitude</th>
<th>Longitude</th>
</tr>
</thead>
<tbody>
<tr>
<td>29.89155</td>
<td>-95.28034</td>
</tr>
</tbody>
</table>

Is a map of the service area and location of project attached? [ ] Yes [ ] No

Has acquisition of the project site(s) been completed, in progress or will need to be acquired? [ ] Yes [ ] No

Select acquisition type(s): [ ] Previously Acquired [ ] Acquisition in Progress [ ] To be Acquired

Describe the type and purpose of all acquisition (easements, real property, railroad crossing permits, etc.) associated with the proposed project. NOTE: All acquisition must comply with the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, 42 U.S.C. § 4601 et seq. and environmental review processes. Contact GLO-CDR for additional guidance.

All proposed activities are within existing Harris County Right-of-Way.

3. Identify the action(s) to resolve the problem(s) and their anticipated outcomes. Include specific materials and quantities.

Regrading and/or reshaping of ditches, opening blocked culverts and increasing the size of culverts to improve the flow and drainage capacity of the ditches and culverts using earthwork grading equipment.

1. Summarize the problem(s) to be addressed within the application by target area.

Inadequate drainage along multiple roadside ditches and culverts in the Beaumont Place Subdivision.

2. Identify the location of each activity/target area and any acquisition activity.

The spelling and capitalization of the Target Area name(s) listed here must match Table 1. e.g. "Green Acres" should not appear elsewhere as "green acres subdivision".

<table>
<thead>
<tr>
<th>Project Title/Target Area</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Harris County Precinct 1 - Flood and Drainage Improvements - Beaumont Place</td>
<td></td>
</tr>
</tbody>
</table>
Provide a brief description of the location of the activity/target area.
Roadside ditches and culverts located within Beaumont Place that are also located in the boundaries of the Harris County’s Low-to-Moderate Income Target Areas. The boundaries for the Beaumont Place subdivision service area are Beaumont HWY 90, Beaumont Place Road, Flagstaff Ln., and Glen Falls Street. Only the areas located within the boundaries will be serviced.

Provide physical address if possible.

Latitude: 29.83305
Longitude: -95.1992

Is a map of the service area and location of project attached?  ✔ Yes  □ No

Has acquisition of the project site(s) been completed, in progress or will need to be acquired?  ✔ Yes  □ No

Select acquisition type(s):
☑ Previously Acquired  □ Acquisition in Progress  □ To be Acquired

Describe the type and purpose of all acquisition (easements, real property, railroad crossing permits, etc.) associated with the proposed project. NOTE: All acquisition must comply with the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, 42 U.S.C. § 4601 et seq. and environmental review processes. Contact GLO-CDR for additional guidance.

All proposed activities are within existing Harris County Right-of-Way.

3. Identify the action(s) to resolve the problem(s) and their anticipated outcomes. Include specific materials and quantities.

Regrading and/or reshaping of ditches, opening blocked culverts and increasing the size of culverts to improve the flow and drainage capacity of the ditches and culverts using earthwork grading equipment.

1. Summarize the problem(s) to be addressed within the application by target area.

Inadequate drainage along multiple roadside ditches and culverts in the Northline Terrace Subdivision.

2. Identify the location of each activity/target area and any acquisition activity.

The spelling and capitalization of the Target Area name(s) listed here must match Table 1. e.g. "Green Acres" should not appear elsewhere as "green acres subdivision".

Project Title/Target Area
Harris County Precinct 1 - Flood and Drainage Improvements - Northline Terrace

Activity
5 Flood and Drainage Facilities

-OR-

Provide a brief description of the location of the activity/target area.
Roadside ditches and culverts located within Northline Terrace that are also located in the boundaries of the Harris County’s Low-to-Moderate Income Target Areas. The boundaries for the areas to be served in the Northline Terrace subdivision are West Mount Houston, Ditch #2 DD-10, Gulf Bank, and Cheswick Drive. Only the areas located within the boundaries will be serviced.
Latitude | 29.89215 | Longitude | -95.40341
--- | --- | --- | ---
Is a map of the service area and location of project attached? | ☑ Yes ☐ No | Has acquisition of the project site(s) been completed, in progress or will need to be acquired? | ☑ Yes ☐ No
Select acquisition type(s): | ☑ Previously Acquired ☐ Acquisition in Progress ☐ To be Acquired

Describe the type and purpose of all acquisition (easements, real property, railroad crossing permits, etc.) associated with the proposed project. NOTE: All acquisition must comply with the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, 42 U.S.C. § 4601 et seq. and environmental review processes. Contact GLO-CDR for additional guidance.

All proposed activities are within existing Harris County Right-of-Way.

3. Identify the action(s) to resolve the problem(s) and their anticipated outcomes. Include specific materials and quantities.

Regrading and/or reshaping of ditches, opening blocked culverts and increasing the size of culverts to improve the flow and drainage capacity of the ditches and culverts using earthwork grading equipment.

1. Summarize the problem(s) to be addressed within the application by target area.

Damage to roadways in the Western Homes Subdivision from flooding.

2. Identify the location of each activity/target area and any acquisition activity.

The spelling and capitalization of the Target Area name(s) listed here must match Table 1. e.g. "Green Acres" should not appear elsewhere as "green acres subdivision".

**Project Title/Target Area**

**Harris County Precinct 2 - Western Homes Street Improvements**

**Activity**

4 Street Improvements

<table>
<thead>
<tr>
<th>On: Robertcrest Street</th>
<th>From: Sandydale Lane</th>
<th>To: Dead End</th>
</tr>
</thead>
<tbody>
<tr>
<td>On: Robertcrest Street</td>
<td>From: Debeney Drive</td>
<td>To: Aldine Mail Route Road</td>
</tr>
<tr>
<td>On: Sandydale Lane</td>
<td>From: Chrisman Road</td>
<td>To: Aldine Westfield Road</td>
</tr>
<tr>
<td>On: Charriton Drive</td>
<td>From: Chrisman Road</td>
<td>To: Stirrup Drive</td>
</tr>
<tr>
<td>On: Debeney Drive</td>
<td>From: Charriton Drive</td>
<td>To: Aldine Westfield Road</td>
</tr>
<tr>
<td>On: Otterbury Drive</td>
<td>From: Robertcrest Street</td>
<td>To: Dead End</td>
</tr>
<tr>
<td>On: Mayor Drive</td>
<td>From: Sandydale Lane</td>
<td>To: Debeney Drive</td>
</tr>
<tr>
<td>On: Stirrup Drive</td>
<td>From: Sandydale Lane</td>
<td>To: Debeney Drive</td>
</tr>
</tbody>
</table>

-OR-

Provide a brief description of the location of the activity/target area.

-OR-

Provide physical address if possible.
Is a map of the service area and location of project attached? Yes No

Has acquisition of the project site(s) been completed, in progress or will need to be acquired? Yes No

Select acquisition type(s): Previously Acquired Acquisition in Progress To be Acquired

Describe the type and purpose of all acquisition (easements, real property, railroad crossing permits, etc.) associated with the proposed project. NOTE: All acquisition must comply with the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, 42 U.S.C. § 4601 et seq. and environmental review processes. Contact GLO-CDR for additional guidance.

All proposed activities are within existing Harris County Right-of-Way. All roads are on the Harris County Road Log.

3. Identify the action(s) to resolve the problem(s) and their anticipated outcomes. Include specific materials and quantities.

Repair the driving surface and select locations of base failure. Maintain the existing roadway elevation and replace roadway striping. See attached cost estimate with material quantities.

1. Summarize the problem(s) to be addressed within the application by target area.

Prevent inundation of Bear Creek Park wastewater treatment system and release of untreated wastewater during flooding events.

2. Identify the location of each activity/target area and any acquisition activity.

The spelling and capitalization of the Target Area name(s) listed here must match Table 1. e.g. "Green Acres" should not appear elsewhere as "green acres subdivision".

<table>
<thead>
<tr>
<th>Project Title/Target Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Harris County Precinct 3 - Bear Creek Park Sewer Facilities</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>1b Sewer Facilities</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>On:</th>
<th>From:</th>
<th>To:</th>
</tr>
</thead>
</table>

Provide a brief description of the location of the activity/target area.

Provide physical address if possible.

3535 War Memorial Drive, Houston, Texas 77084

Is a map of the service area and location of project attached? Yes No

Has acquisition of the project site(s) been completed, in progress or will need to be acquired? Yes No

Select acquisition type(s): Previously Acquired Acquisition in Progress To be Acquired

Describe the type and purpose of all acquisition (easements, real property, railroad crossing permits, etc.) associated with the proposed project. NOTE: All acquisition must comply with the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, 42 U.S.C. § 4601 et seq. and environmental review processes. Contact GLO-CDR for additional guidance.

All proposed activities are within the boundaries of Harris County Precinct Three's Bear Creek Park.
3. Identify the action(s) to resolve the problem(s) and their anticipated outcomes. Include specific materials and quantities.

Installation of the remote monitoring equipment for each of the nine lift stations and one rain/flood gauge with remote monitoring at the wastewater treatment plant to allow county staff remote monitoring of conditions and shut down the system remotely if necessary to prevent inundation and release of untreated wastewater.

4. Disclose source(s) and use(s) of non-CDBG-DR funds:

<table>
<thead>
<tr>
<th>Source of Funds</th>
<th>Amount</th>
<th>Use of Funds</th>
</tr>
</thead>
<tbody>
<tr>
<td>Harris County Pct. 2 Funds</td>
<td>$96,185.07</td>
<td>Geotechnical services and contingency for construction costs</td>
</tr>
<tr>
<td>Harris County Pct. 3 Parks Funds</td>
<td>$21,051.43</td>
<td>Leverage funding for proposed project</td>
</tr>
</tbody>
</table>

ADDITIONAL PROJECT INFORMATION

1. Are there any persons with a reportable financial interest to disclose?  
   - Yes  
   - No

PROJECT SCHEDULE

Enter the projected length in months of each phase below. If a phase is not applicable, enter "0" in the field. Most projects should be completed in 24 months, once the project contract between the applicant and the GLO is executed.

- Professional Procurement
- Environmental Review
- Acquisition
- Engineering Design
- Construction
- Closeout Completion
- Extended Activity

If the proposed project requires a schedule longer than 24 months, justification must be provided:
**PROJECT SCHEDULE**

Enter the projected length in months of each phase below. If a phase is not applicable, enter "0" in the field. Most projects should be completed in 24 months, once the project contract between the applicant and the GLO is executed.

<table>
<thead>
<tr>
<th>Phase</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>Professional Procurement</td>
<td>4</td>
</tr>
<tr>
<td>Environmental Review</td>
<td>3</td>
</tr>
<tr>
<td>Acquisition</td>
<td>0</td>
</tr>
<tr>
<td>Engineering Design</td>
<td>6</td>
</tr>
<tr>
<td>Construction</td>
<td>6</td>
</tr>
<tr>
<td>Closeout Completion</td>
<td>2</td>
</tr>
<tr>
<td>Extended Activity</td>
<td>2</td>
</tr>
</tbody>
</table>

If the proposed project requires a schedule longer than 24 months, justification must be provided:
TABLE 2 - BUDGET JUSTIFICATION OF RETAIL COSTS

<table>
<thead>
<tr>
<th>Activity Description</th>
<th>Act. #</th>
<th>Materials/Facilities/Services</th>
<th>$/Unit</th>
<th>Unit</th>
<th>Quantity</th>
<th>Construction</th>
<th>Acquisition</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flood and Drainage Facilities</td>
<td>5</td>
<td>Earthwork Grading Equipment</td>
<td>$32,235.00</td>
<td>LS</td>
<td>1</td>
<td>$32,235</td>
<td>$0</td>
<td>$32,235</td>
</tr>
</tbody>
</table>

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

The proposed improvements do not require annual maintenance costs.

2. Identify and explain any special engineering activities.

All professional procurement and engineering design costs will be funded by the County.

Signature of Registered Engineer/Architect Responsible For Budget Justification:

Larry J. Allen

Date: April 13, 2017

Phone Number: +1 (713) 274-3630
**PROJECT SCHEDULE**

Enter the projected length in months of each phase below. If a phase is not applicable, enter "0" in the field. Most projects should be completed in 24 months, once the project contract between the applicant and the GLO is executed.

<table>
<thead>
<tr>
<th>Phase</th>
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</tr>
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<tbody>
<tr>
<td>Professional Procurement</td>
<td>4</td>
</tr>
<tr>
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<td>3</td>
</tr>
<tr>
<td>Acquisition</td>
<td>0</td>
</tr>
<tr>
<td>Engineering Design</td>
<td>6</td>
</tr>
<tr>
<td>Construction</td>
<td>6</td>
</tr>
<tr>
<td>Closeout Completion</td>
<td>2</td>
</tr>
<tr>
<td>Extended Activity</td>
<td>2</td>
</tr>
</tbody>
</table>

If the proposed project requires a schedule longer than 24 months, justification must be provided:
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<table>
<thead>
<tr>
<th>Activity Description</th>
<th>Act.</th>
<th>Materials/Facilities/Services</th>
<th>$/Unit</th>
<th>Unit</th>
<th>Quantity</th>
<th>Construction</th>
<th>Acquisition</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flood and Drainage Facilities</td>
<td>5</td>
<td>Earthwork Grading Equipment</td>
<td>$48,100</td>
<td>LS</td>
<td>1</td>
<td>$48,100</td>
<td>$0</td>
<td>$48,100</td>
</tr>
</tbody>
</table>

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

The proposed improvements do not require annual maintenance costs.

2. Identify and explain any special engineering activities.

All professional procurement and engineering design costs will be funded by the County.

Signature of Registered Engineer/Architect Responsible For Budget Justification:

April 13, 2017

Date: Phone Number

+1 (713) 234-3630

Page 2 of 2
# PROJECT SCHEDULE

Enter the projected length in months of each phase below. If a phase is not applicable, enter "0" in the field. Most projects should be completed in 24 months, once the project contract between the applicant and the GLO is executed.

<table>
<thead>
<tr>
<th>Phase</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>Professional Procurement</td>
<td>4</td>
</tr>
<tr>
<td>Environmental Review</td>
<td>3</td>
</tr>
<tr>
<td>Acquisition</td>
<td>0</td>
</tr>
<tr>
<td>Engineering Design</td>
<td>6</td>
</tr>
<tr>
<td>Construction</td>
<td>6</td>
</tr>
<tr>
<td>Closeout Completion</td>
<td>2</td>
</tr>
<tr>
<td>Extended Activity</td>
<td>2</td>
</tr>
</tbody>
</table>

If the proposed project requires a schedule longer than 24 months, justification must be provided:
### TABLE 2 - BUDGET JUSTIFICATION OF RETAIL COSTS

<table>
<thead>
<tr>
<th>Activity Description</th>
<th>Act. #</th>
<th>Materials/Facilities/Services</th>
<th>$/Unit</th>
<th>Unit</th>
<th>Quantity</th>
<th>Construction</th>
<th>Acquisition</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flood and Drainage Facilities</td>
<td>5</td>
<td>Earthwork Grading Equipment</td>
<td>$65,000</td>
<td>LS</td>
<td>1</td>
<td>$65,000</td>
<td>$0</td>
<td>$65,000</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>$65,000</td>
</tr>
</tbody>
</table>

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

The proposed improvements do not require annual maintenance costs.

2. **Identify and explain any special engineering activities.**

All professional procurement and engineering design costs will be funded by the County.

---

**Signature of Registered Engineer/Architect Responsible For Budget Justification:**

![Signature]

**Date:** April 13, 2017  
**Phone Number:** +1 (713) 274-3630
TABLE 2 - BUDGET JUSTIFICATION OF RETAIL COSTS

Western Homes Roadway Repair - East Aldine

<table>
<thead>
<tr>
<th>Activity Description</th>
<th>Act #</th>
<th>Materials/Facilities/Services</th>
<th>$/Unit</th>
<th>Unit</th>
<th>Quantity</th>
<th>Construction</th>
<th>Acquisition</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Street Improvements</td>
<td>4</td>
<td>Sandydale Ln Asphalt Mill and Overlay/ Base</td>
<td>$21.37</td>
<td>SY</td>
<td>6,102</td>
<td>$130,388</td>
<td>$0</td>
<td>$130,388</td>
</tr>
<tr>
<td>Street Improvements</td>
<td>4</td>
<td>Charlton Dr Asphalt Mill and Overlay/ Base</td>
<td>$21.37</td>
<td>SY</td>
<td>5,434</td>
<td>$116,114</td>
<td>$0</td>
<td>$116,114</td>
</tr>
<tr>
<td>Street Improvements</td>
<td>4</td>
<td>Mayor Dr Asphalt Mill and Overlay/ Base Repair</td>
<td>$21.37</td>
<td>SY</td>
<td>1,108</td>
<td>$23,676</td>
<td>$0</td>
<td>$23,676</td>
</tr>
<tr>
<td>Street Improvements</td>
<td>4</td>
<td>Robertcrest St (S) Asphalt Mill and Overlay/ Base Repair</td>
<td>$21.37</td>
<td>SY</td>
<td>1,797</td>
<td>$38,398</td>
<td>$0</td>
<td>$38,398</td>
</tr>
<tr>
<td>Street Improvements</td>
<td>4</td>
<td>Stirrup Dr Asphalt Mill and Overlay/ Base</td>
<td>$21.37</td>
<td>SY</td>
<td>1,176</td>
<td>$25,129</td>
<td>$0</td>
<td>$25,129</td>
</tr>
<tr>
<td>Street Improvements</td>
<td>4</td>
<td>Debeney Dr Asphalt Mill and Overlay/ Base</td>
<td>$21.37</td>
<td>SY</td>
<td>5,929</td>
<td>$126,691</td>
<td>$0</td>
<td>$126,691</td>
</tr>
<tr>
<td>Street Improvements</td>
<td>4</td>
<td>Otterbury Dr Asphalt Mill and Overlay/ Base</td>
<td>$21.37</td>
<td>SY</td>
<td>824</td>
<td>$17,607</td>
<td>$0</td>
<td>$17,607</td>
</tr>
<tr>
<td>Street Improvements</td>
<td>4</td>
<td>Robertcrest St (N) Asphalt Mill and Overlay/ Base</td>
<td>$21.37</td>
<td>SY</td>
<td>1,356</td>
<td>$28,975</td>
<td>$0</td>
<td>$28,975</td>
</tr>
<tr>
<td>Street Improvements</td>
<td>4</td>
<td>Geotechnical Services (Surveying and Civil Design)</td>
<td>$1,000.00</td>
<td>EA</td>
<td>10</td>
<td>$10,000</td>
<td>$0</td>
<td>$10,000</td>
</tr>
</tbody>
</table>

$516,977                      $0          $516,977

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

Annual are crack sealing, debris and other associated roadway maintenance. All work is executed in house.

2. Identify and explain any special engineering activities.

Surveying, geotech, and a civil design will be required. Harris County Pct 2 will pay for the estimated $10K geotechnical services. Surveying and the civil design will be executed in house. Harris County Pct 2 will also fund construction costs over the allocated CBDG grant funding. (see attached estimate for a detail construction estimate)

Digitally signed by Semien, Aubrey (Engineering)
DN: cn=Semien, Aubrey (Engineering),
email=Aubrey.Semien@hcpid.org
Date: 2017.04.05 14:02:16 -05'00'

Signature of Registered Engineer/Architect Responsible For Budget Justification:

05APR17 713-274-3670

Date: Phone Number

Harris County
1. Are there any persons with a reportable financial interest to disclose?  
   - [ ] Yes  
   - [x] No

## PROJECT SCHEDULE

Enter the projected length in months of each phase below. If a phase is not applicable, enter "0" in the field. Most projects should be completed in 24 months, once the project contract between the applicant and the GLO is executed.

<table>
<thead>
<tr>
<th>Phase</th>
<th>Months</th>
</tr>
</thead>
<tbody>
<tr>
<td>Professional Procurement</td>
<td>1</td>
</tr>
<tr>
<td>Environmental Review</td>
<td>3</td>
</tr>
<tr>
<td>Acquisition</td>
<td>2</td>
</tr>
<tr>
<td>Engineering Design</td>
<td>4</td>
</tr>
<tr>
<td>Construction</td>
<td>4</td>
</tr>
<tr>
<td>Closeout Completion</td>
<td>1</td>
</tr>
<tr>
<td>Extended Activity</td>
<td>0</td>
</tr>
</tbody>
</table>

If the proposed project requires a schedule longer than 24 months, justification must be provided:

N/A
### PROJECT SCHEDULE

Enter the projected length in months of each phase below. If a phase is not applicable, enter "NA" in the field. Most projects should be completed in 24 months, once the project contract between the applicant and the GLO is executed.

<table>
<thead>
<tr>
<th>Phase</th>
<th>Length (in months)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Professional Procurement</td>
<td>NA</td>
</tr>
<tr>
<td>Environmental Review</td>
<td>3</td>
</tr>
<tr>
<td>Acquisition</td>
<td>NA</td>
</tr>
<tr>
<td>Engineering Design</td>
<td>3</td>
</tr>
<tr>
<td>Construction</td>
<td>6</td>
</tr>
<tr>
<td>Closeout Completion</td>
<td>2</td>
</tr>
<tr>
<td>Extended Activity</td>
<td>NA</td>
</tr>
</tbody>
</table>

If the proposed project requires a schedule longer than 24 months, justification must be provided.
TABLE 2 - BUDGET JUSTIFICATION OF RETAIL COSTS

<table>
<thead>
<tr>
<th>Activity Description</th>
<th>Act. #</th>
<th>Materials/Facilities/Services</th>
<th>$/Unit</th>
<th>Unit</th>
<th>Quantity</th>
<th>Construction</th>
<th>Acquisition</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sewer Facilities</td>
<td>1b</td>
<td>Remote monitoring system for lift station</td>
<td>$8,200.00</td>
<td>EA</td>
<td>9</td>
<td>$73,800</td>
<td>$0</td>
<td>$73,800</td>
</tr>
<tr>
<td>Sewer Facilities</td>
<td>1b</td>
<td>Rain gauge w/remote monitor system at WWTP</td>
<td>$9,000.00</td>
<td>EA</td>
<td>1</td>
<td>$9,000</td>
<td>$0</td>
<td>$9,000</td>
</tr>
</tbody>
</table>

$82,800 $0 $82,800

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

Approximately $500 per system per year for a cellular service package ($500 * 10 systems = $5,000 annually)

2. Identify and explain any special engineering activities.

Engineering design services will be done with in-house County staff at no cost. The approximate value of these services is $20,000.

Signature of Registered Engineer/Architect Responsible For Budget Justification: Mar 29, 2017 +1 (713) 274-3761
**TABLE 1** Complete a separate table for each activity or target area.

Identify the target area for this project. Only one Table 1 is needed if the same target area, beneficiaries, and national objective apply. If any of these are different, add a new Table 1. Refer to the Application Guide for instructions.

**Project Title/Target Area:** Flood and Drainage Improvements - East Mount Houston Road

**Construction Completion Type:** Combination

<table>
<thead>
<tr>
<th>Activity Description</th>
<th>Act #</th>
<th>Total Beneficiaries</th>
<th>LMI Beneficiaries</th>
<th>LMI %</th>
<th>CDBG-DR Construction</th>
<th>CDBG-DR Engineering</th>
<th>CDBG-DR Acquisition</th>
<th>Other Construction</th>
<th>Other Engineering</th>
<th>Other Acquisition</th>
<th>Activity Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flood and Drainage Facilities</td>
<td>5</td>
<td>9,180</td>
<td>6,015</td>
<td>65.52%</td>
<td>65,000</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>65,000</td>
</tr>
</tbody>
</table>

**ACTIVITY TOTALS:** 9,180 6,015 65.52% 65,000

<table>
<thead>
<tr>
<th>Race</th>
<th># Non-Hispanic Beneficiaries</th>
<th># Hispanic Beneficiaries</th>
<th>Total Activity Beneficiaries</th>
</tr>
</thead>
<tbody>
<tr>
<td>White</td>
<td>444</td>
<td>4,689</td>
<td>5,133</td>
</tr>
<tr>
<td>Black African American</td>
<td>2,155</td>
<td>10</td>
<td>2,165</td>
</tr>
<tr>
<td>American Indian/Alaskan native</td>
<td>0</td>
<td>55</td>
<td>55</td>
</tr>
<tr>
<td>Asian</td>
<td>0</td>
<td>11</td>
<td>11</td>
</tr>
<tr>
<td>Other Multi-Racial</td>
<td>8</td>
<td>1,808</td>
<td>1,816</td>
</tr>
</tbody>
</table>

**TOTALS:** 2,607 6,573 9,180

<table>
<thead>
<tr>
<th>Gender</th>
<th>Total Males</th>
<th>Total Females</th>
<th>Total Beneficiaries</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>4838</td>
<td>4342</td>
<td>9180</td>
</tr>
</tbody>
</table>

**REQUIRED - Census Geographic Area Data**

Identify the census tract and block group(s) in which the project will take place

<table>
<thead>
<tr>
<th>Census Tract (6-digit)</th>
<th>01</th>
<th>02</th>
<th>03</th>
<th>04</th>
<th>05</th>
<th>06</th>
<th>07</th>
<th>08</th>
<th>09</th>
<th>10</th>
</tr>
</thead>
<tbody>
<tr>
<td>2320.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2319.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2317.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Beneficiary Identification Method(s)**

- City-wide Benefit
- County-wide Benefit
- Area Benefit
- Direct Benefit

- An approved TxCDBG survey was used to identify the beneficiaries for this activity.
- 2016 HUD LMISD information was used to identify the beneficiaries for this activity.
- The required Census or Texas State Data Center map has been provided if required.

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

| TxCDBG Survey | 0 |
| 2016 HUD LMISD | 9,180 |
| Area Benefit | 0 |
| Housing Activity | 0 |
| Limited Clientele | 0 |
TABLE 1  Complete a separate table for each activity or target area.

Identify the target area for this project. Only one Table 1 is needed if the same target area, beneficiaries, and national objective apply. If any of these are different, add a new Table 1. Refer to the Application Guide for instructions.

Project Title/Target Area:  Flood and Drainage Improvements - Beaumont Place

<table>
<thead>
<tr>
<th>Activity Description</th>
<th>Act #</th>
<th>Total Beneficiaries</th>
<th>LMI Beneficiaries</th>
<th>LMI %</th>
<th>CDBG-DR Construction</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flood and Drainage Facilities</td>
<td>5</td>
<td>1,580</td>
<td>1,140</td>
<td>72.15%</td>
<td>32,235</td>
</tr>
</tbody>
</table>

**ACTIVITY TOTALS:** 1,580, 1,140, 72.15%, 32,235

<table>
<thead>
<tr>
<th>Race</th>
<th># Non-Hispanic Beneficiaries</th>
<th># Hispanic Beneficiaries</th>
<th>Total Activity Beneficiaries</th>
</tr>
</thead>
<tbody>
<tr>
<td>White</td>
<td>408</td>
<td>1,132</td>
<td>1,540</td>
</tr>
<tr>
<td>Black African American</td>
<td>40</td>
<td>0</td>
<td>40</td>
</tr>
</tbody>
</table>

**TOTALS:** 448, 1,132, 1,580

<table>
<thead>
<tr>
<th>Gender</th>
<th>Total Males</th>
<th>Total Females</th>
<th>Total Beneficiaries</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>674</td>
<td>906</td>
<td>1580</td>
</tr>
</tbody>
</table>

- City-wide Benefit
- County-wide Benefit
- Area Benefit
- Direct Benefit

Beneficiary Identification Method(s)

- An approved TxCDBG survey was used to identify the beneficiaries for this activity.
- 2016 HUD LMISD information was used to identify the beneficiaries for this activity
- The required Census or Texas State Data Center map has been provided if required.

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

- TxCDBG Survey: 0
- 2016 HUD LMISD: 1,580
- Area Benefit: 0
- Housing Activity: 0
- Limited Clientele: 0

Required - Census Geographic Area Data

Identify the census tract and block group(s) in which the project will take place

- Census Tract (6-digit): 2324.01
- County Code: 201

- Census Tract (6-digit)
  - 01: [ ]
  - 02: [ ]
  - 03: [X]
  - 04: [ ]
  - 05: [ ]
  - 06: [ ]
  - 07: [ ]
  - 08: [ ]
  - 09: [ ]
  - 10: [ ]
### TABLE 1

Complete a separate table for each activity or target area.

<table>
<thead>
<tr>
<th>Activity Description</th>
<th>Act #</th>
<th>Total Benes</th>
<th>% LMI Benes</th>
<th>LMI %</th>
<th>CDBG-DR Construction</th>
<th>CDBG-DR Engineering</th>
<th>CDBG-DR Acquisition</th>
<th>Other Construction</th>
<th>Other Engineering</th>
<th>Other Acquisition</th>
<th>Activity Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flood and Drainage Facilities</td>
<td>5</td>
<td>1,565</td>
<td>935</td>
<td>59.74%</td>
<td>48,100</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>48,100</td>
</tr>
</tbody>
</table>

**ACTIVITY TOTALS:** 1,565 | 935 | 59.74% | 48,100 | 0 | 0 | 0 | 0 | 0 | 0 | 48,100 |

<table>
<thead>
<tr>
<th>Race</th>
<th># Non-Hispanic Beneficiaries</th>
<th># Hispanic Beneficiaries</th>
<th>Total Activity Beneficiaries</th>
</tr>
</thead>
<tbody>
<tr>
<td>White</td>
<td>99</td>
<td>1,401</td>
<td>1,500</td>
</tr>
<tr>
<td>Other Multi-Racial</td>
<td>0</td>
<td>65</td>
<td>65</td>
</tr>
</tbody>
</table>

**TOTALS:** 99 | 1,466 | 1,565 |

<table>
<thead>
<tr>
<th>Gender</th>
<th>Total Males</th>
<th>Total Females</th>
<th>Total Benes</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>757</td>
<td>808</td>
<td>1565</td>
</tr>
</tbody>
</table>

- City-wide Benefit
- County-wide Benefit
- Area Benefit
- Direct Benefit

**Beneficiary Identification Method(s):**

- An approved TxCDBG survey was used to identify the beneficiaries for this activity.
- 2016 HUD LMISD information was used to identify the beneficiaries for this activity.
- The required Census or Texas State Data Center map has been provided if required.

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

- TxCDBG Survey: 0
- 2016 HUD LMISD: 1,565
- Area Benefit: 0
- Housing Activity: 0
- Limited Clientele: 0

---

**Project Title/Target Area:** Flood and Drainage Improvements - Northline Terrace

**Construction Completion Type:** REQUIRED - Census Geographic Area Data

**County Code:** 201

**Census Tract (6-digit):** 2210.00

---

**City-wide Benefit**

**County-wide Benefit**

**Area Benefit**

**Direct Benefit**

---

Harris County
TABLE 1  Complete a separate table for each activity or target area.

Identify the target area for this project. Only one Table 1 is needed if the same target area, beneficiaries, and national objective apply. If any of these are different, add a new Table 1. Refer to the Application Guide for instructions.

Project Title/Target Area: Harris County Precinct 2 - Western Homes Street Improvements  Construction Completion Type: Combination

<table>
<thead>
<tr>
<th>Activity Description</th>
<th>Act #</th>
<th>Total Benes</th>
<th>LMI Benes</th>
<th>LMI %</th>
<th>CDBG-DR Construction</th>
<th>CDBG-DR Engineering</th>
<th>CDBG-DR Acquisition</th>
<th>Other Construction</th>
<th>Other Engineering</th>
<th>Other Acquisition</th>
<th>Activity Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Street Improvements</td>
<td>4</td>
<td>3,255</td>
<td>1,920</td>
<td>58.99%</td>
<td>516,977</td>
<td>0</td>
<td>0</td>
<td>96,185</td>
<td>0</td>
<td>0</td>
<td>613,162</td>
</tr>
<tr>
<td><strong>ACTIVITY TOTALS:</strong></td>
<td></td>
<td><strong>3,255</strong></td>
<td><strong>1,920</strong></td>
<td><strong>58.99%</strong></td>
<td><strong>516,977</strong></td>
<td><strong>0</strong></td>
<td><strong>0</strong></td>
<td><strong>96,185</strong></td>
<td><strong>0</strong></td>
<td><strong>0</strong></td>
<td><strong>613,162</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Race</th>
<th># Non-Hispanic Beneficiaries</th>
<th># Hispanic Beneficiaries</th>
<th>Total Activity Beneficiaries</th>
</tr>
</thead>
<tbody>
<tr>
<td>White</td>
<td>405</td>
<td>2,568</td>
<td>2,973</td>
</tr>
<tr>
<td>Asian</td>
<td>20</td>
<td>0</td>
<td>20</td>
</tr>
<tr>
<td>Other Multi-Racial</td>
<td>6</td>
<td>256</td>
<td>262</td>
</tr>
<tr>
<td><strong>TOTALS:</strong></td>
<td>431</td>
<td>2,824</td>
<td>3,255</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Gender</th>
<th>Total Males</th>
<th>Total Females</th>
<th>Total Benes</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1638</td>
<td>1617</td>
<td>3255</td>
</tr>
</tbody>
</table>

☐ City-wide Benefit
☐ County-wide Benefit
☒ Area Benefit
☐ Direct Benefit

Beneficiary Identification Method(s)

☐ An approved TxCDBG survey was used to identify the beneficiaries for this activity.
☒ 2016 HUD LMISD information was used to identify the beneficiaries for this activity
☐ The required Census or Texas State Data Center map has been provided if required.

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

- TxCDBG Survey: 0
- 2016 HUD LMISD: 3,255
- Area Benefit: 0
- Housing Activity: 0
- Limited Clientele: 0
TABLE 1  Complete a separate table for each activity or target area.

Identify the target area for this project. Only one Table 1 is needed if the same target area, beneficiaries, and national objective apply. If any of these are different, add a new Table 1. Refer to the Application Guide for instructions.

### Project Title/Target Area: Harris County Precinct 3 - Bear Creek Park Sewer Facilities

<table>
<thead>
<tr>
<th>Construction Completion Type:</th>
<th>Combination</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Activity Description</th>
<th>Act #</th>
<th>Total Beneficiaries</th>
<th>LMI Beneficiaries</th>
<th>LMI %</th>
<th>CDBG-DR Construction</th>
<th>CDBG-DR Engineering</th>
<th>CDBG-DR Acquisition</th>
<th>Other Construction</th>
<th>Other Engineering</th>
<th>Other Acquisition</th>
<th>Activity Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sewer Facilities</td>
<td>1b</td>
<td>366,000</td>
<td>121,427</td>
<td>33.27%</td>
<td>82,800</td>
<td>0</td>
<td>0</td>
<td>21,051</td>
<td>0</td>
<td>0</td>
<td>103,851</td>
</tr>
</tbody>
</table>

**ACTIVITY TOTALS:** 366,000 $\text{\_\_\_\_\_}$ 121,427 $\text{\_\_\_\_\_}$ 33.27% $\text{\_\_\_\_\_}$ 82,800 $\text{\_\_\_\_\_}$ 0 $\text{\_\_\_\_\_}$ 0 $\text{\_\_\_\_\_}$ 21,051 $\text{\_\_\_\_\_}$ 0 $\text{\_\_\_\_\_}$ 0 $\text{\_\_\_\_\_}$ 103,851

<table>
<thead>
<tr>
<th>Race</th>
<th>Non-Hispanic Beneficiaries</th>
<th>Hispanic Beneficiaries</th>
<th>Total Activity Beneficiaries</th>
</tr>
</thead>
<tbody>
<tr>
<td>White</td>
<td>139,269</td>
<td>100,159</td>
<td>239,428</td>
</tr>
<tr>
<td>Black African American</td>
<td>45,493</td>
<td>1,544</td>
<td>47,037</td>
</tr>
<tr>
<td>American Indian/Alaskan native</td>
<td>301</td>
<td>637</td>
<td>938</td>
</tr>
<tr>
<td>Asian</td>
<td>36,626</td>
<td>155</td>
<td>36,781</td>
</tr>
<tr>
<td>Native Hawaiian / Other Pacific Islander</td>
<td>114</td>
<td>145</td>
<td>259</td>
</tr>
<tr>
<td>Other Multi-Racial</td>
<td>6,993</td>
<td>34,569</td>
<td>41,562</td>
</tr>
</tbody>
</table>

**TOTALS:** 228,796 $\text{\_\_\_\_\_}$ 137,209 $\text{\_\_\_\_\_}$ 366,005

<table>
<thead>
<tr>
<th>Gender</th>
<th>Total Males</th>
<th>Total Females</th>
<th>Total Beneficiaries</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>181,195</td>
<td>184,810</td>
<td>366,005</td>
</tr>
</tbody>
</table>

- City-wide Benefit
- County-wide Benefit
- Area Benefit
- Direct Benefit

**Beneficiary Identification Method(s)**

- An approved TxCDBG survey was used to identify the beneficiaries for this activity.
- 2016 HUD LMISD information was used to identify the beneficiaries for this activity
- The required Census or Texas State Data Center map has been provided if required.

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

- TxCDBG Survey: 0
- 2016 HUD LMISD: 366,005
- Area Benefit: 0
- Housing Activity: 0
- Limited Clientele: 0

---

Harris County
**NATIONAL PROGRAM OBJECTIVES**

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 Blight.

3. Urgent Needs

   Justification of Beneficiary Identification Method:

Harris County utilized the 2016 LMISD Data as provided by the GLO.

**ANTICIPATED OBJECTIVES AND OUTCOMES**

<table>
<thead>
<tr>
<th>ACTIVITY</th>
<th>ANTICIPATED OBJECTIVE</th>
<th>ANTICIPATED OUTCOME</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>1. Create suitable living environment</td>
<td>3. Sustainability</td>
</tr>
<tr>
<td>4</td>
<td>1. Create suitable living environment</td>
<td>1. Availability / Accessibility</td>
</tr>
<tr>
<td>1b</td>
<td>1. Create suitable living environment</td>
<td>3. Sustainability</td>
</tr>
</tbody>
</table>

**ANTICIPATED OUTCOME UNITS**

- Infrastructure / Public Facilities Improvement Project?

<table>
<thead>
<tr>
<th>Activity</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>12,325</td>
</tr>
<tr>
<td>4</td>
<td>3,255</td>
</tr>
<tr>
<td>1b</td>
<td>366005</td>
</tr>
</tbody>
</table>

- Planning Activity?

**ADDITIONAL ACTIVITY INFORMATION**

- One-for-One Replacement
- Revolving Fund
- Brownfield Activity
- Presidential Declared Disaster Area
- Activity involves multi-unit housing