April 13, 2023
Item No. 9.4.
CDBG-MIT funding in the amount of $500,000

Sponsor: Debbie Eller, Director of Community Services

Reviewed By CBC: City Council

Agenda Caption: Public Hearing, presentation, discussion, and possible action regarding the draft Community Development Block Grant - Regional Mitigation Program plan to receive $500,000 from the Texas General Land Office through the Brazos Valley Council of Governments Method of Distribution.

Relationship to Strategic Goals:
Core Services & Infrastructure

Recommendation(s): Staff recommends that City Council receive a presentation regarding the draft plan and provide feedback.

Summary: The City Council approved a resolution on October 13, 2022 to accept Community Development Block Grant Mitigation funds from the Texas General Land Office through the Brazos Valley Council of Governments Regional Mitigation Program. The state-approved Method of Distribution provides the City of College Station with $500,000.00, while requiring that 100% of the funds benefit primarily low to-moderate income areas in College Station.

The City of College Station is eligible for these funds due to the Federal/Presidential Declaration for Texas by County for the 2017 floods. The U. S. Department of Housing and Urban Development defines mitigation as "Those activities that increase resilience to disasters and reduce or eliminate the long-term risk of loss of life, injury, damage to and loss of property, and suffering and hardship, by lessening the impact of future disasters."

Community Services, Planning & Development Services, Public Works, Capital Projects, Emergency Management, Finance, and the City Manager's Office reviewed the list of eligible activities and determined a list of projects previously identified as necessary for mitigation but remained unfunded. The proposed projects include:

1) Installation of a generator at the Lincoln Recreation Center for use in an emergency as a warming or cooling facility: $145,200;
2) Acquistion of a parcel on Southland that is located in a floodway: $75,550;
3) Installation of a Flood Warning System: $90,750;
4) Planting of trees as per the Cooling College Station Plan: $185,550.

The City utilized a consultant contract with Blais and Associates for Professional Grant Writing and Consulting Services for the development of the draft CDBG-MIT plan. The cost was $17,550 and the consultant utilized existing plans and documents to develop the draft CDBG-MIT plan, along with preparing all required documents and publications.

As required by CDBG-MIT, the plan will be available for public review and comment for a 14-day period beginning March 30th and ending April 13th and a public hearing will be included with this agenda item. The plan is due to the GLO on or before May 3, 2023. Funds will be available for the

proposed projects on 10/1/2023. *A copy of the draft plan will be available to be attached on Thursday, April 6th.*

Budget & Financial Summary: This plan will enable the City of College Station to receive $500,000.00 in CDBG-MIT funds.

Attachments:

1. Draft CDBG-MIT Plan

City of College Station

CDBG-MIT

Hazard Reduction Projects

Texas General Land Office (GLO)
Brazos Valley Council of Governments (BVCOG)

CDBG-MIT Regional Mitigation Program

Contact: Debbie Eller
Director of Community Development
(979) 764 - 3771
deller@cstx.gov

Proposal Submitted: May 3, 2023

80% DRAFT

Regional Mitigation Program

Texas General Land Office | Community Development & Revitalization | CDBG-MIT

Edit Last edited on 04-05-2023

Instructions

Please read the following before completing the Regional Mitigation Program application.

Navigation

The Application is broken into six sections which can be completed in any order:

1. General
2. Activities
3. Duplication of Benefits
4. Fair Housing
5. Procurement
6. Citizen Participation

Instructions:

1. Fill out all required information on each of the tabs listed above.
2. To save your progress, navigate to the green Save button. Click the down arrow to access more options and select Save & keep working.
3. When all tabs have been completed, please navigate to the Citizen Participation tab to see if there are any missing requirements.
4. If no requirements show under the Citizen Participation tab, click the yellow Print Application for Public Comment button.
5. Fill out all required information on the Citizen Participation tab after the completion of the public comment period.
6. If no requirements show under the Submit tab, click the green Submit button to submit the application to the GLO and print the final application as a PDF.

For additional information, refer to the Regional Mitigation Program website.

Questions or comments? Please contact cdr.mitigation@recovery.texas.gov

General

Applicant Information

Applicant
City of College Station

County
Brazos

Program
Regional Mitigation Program: BVCOG - State MID

COG
Brazos Valley Council of Governments (BVCOG)

Phone Number
(979) 764-3771

Address
1101 Texas Ave S, College Station, Texas 77842

Website
http://cstx.gov

Employer Identification Number (EIN)
746000534

Taxpayer Identification Numbers (TIN)
000000000 Does the City have this number?

UEI (Unique Entity Identifier)
FYUCEXMLCQH7

For more info, refer to the Unique Entity Identifier (UEI) Fact Sheet (ed.gov) or watch this short video: Get a Unique Entity ID

UEID numbers may not contain letters or special characters.

Data Universal Numbering System (DUNS)
040330300

SAM.gov Registration Expiration Date
12-22-2023

Document Type	File Name	Edit
Current Printout of SAM.gov Registration	SAM.gov Printout.pdf	Edit

Is the applicant an eligible subrecipient applying in conjunction with or on behalf of another entity (non-city) within the county?
No

How much funding was the applicant allocated by the approved COG MOD?
$500,000.00

Is the applicant participating in the National Flood Insurance Program?
Yes

Document Type	File Name	Edit
Signed Applicant Certifications	local-certification-form.pdf	Edit

Fiscal Year End Date

Month	Day
September	30

Document Type	File Name	Edit
Single Audit or Annual Financial Statement	Annual Report 2021.pdf	Edit

Application Contacts

Please provide contact information for the roles below.

Contact Role	Organization	First Name	Last Name	Title	Phone	Email		
Chief Elected Official	City of College Station	John	Nichols	Mayor	(979) 764-3541	jnichols@cstx.gov	✓	Edit
Grant Administrator	City of College Station	Debbie	Eller	Director of Community Services	(979) 764-3771	deller@cstx.gov	✓	Edit
Primary Contact	City of College Station	Debbie	Eller	Director of Community Services	(979) 764-3771	deller@cstx.gov	✓	Edit
Authorized Representative	City of College Station	Bryan	Woods	City Manager	(979) 764-3510	cmo@cstx.gov	✓	Edit
Engineer	City of College Station	Carol	Cotter	City Engineer	(979) 764-3782	ccotter@cstx.gov	✓	Edit

SF-424 Question

Applicant Type
City or Township Government

Application title should be specific to the application. Example: Rango County Flood and Drainage Project.

Application Title
Three Hazard Mitigation Projects Do we like this title?

Is the applicant delinquent on any federal debt?
No

Document Type	File Name	Edit
SF-424 (completed and signed)	sf424 Signature Needed.pdf	Edit

Activities

Activity

DRGR Activity	Planned Activity Budget Amount		Edit
Flood and Drainage Facilities	$90,750.00	✗ One or more of your Projects is incomplete or has invalid responses.	Edit
Public Facilities	$409,250.00	✗ One or more of your Projects is incomplete or has invalid responses.	Edit

Project

Project Title	Project Type	Status	Total Budget		
Flood and Drainage Facilities (1 Project)					
Flood Warning System	Flood and Drainage	Not yet begun	$90,750.00	✗ Missing or invalid responses	Edit
TOT			**$90,750.00**		
Public Facilities (2 Project records)					
Generator at Lincoln Recreation Center	Community Centers	Not yet begun	$145,200.00	✗ Missing or invalid responses	Edit
Cooling College Station Tree Planting	Parks/Playgrounds/Other Recreational Facilities	Not yet begun	$264,050.00	✗ Missing or invalid responses	Edit
TOT			**$409,250.00**		
TOT			**$500,000.00**		

Budget Line Summary

Total Engineering over Total Construction	Total Admin + Environmental over Total Amount Requested	Allowable Fee Percentage Cap for Admin + Environmental
0.00%	9.57%	11.00%

✓

Program Budget Code	Planned/Requested Amount (tot)
Acquisition	$0.00
Construction	$452,145.00
Engineering	$0.00
Environmental	$0.00
Grant Administration	$47,855.00
Planning	$0.00
Special Environmental	$0.00
Totals (7 groups)	$500,000.00

DRGR Activity	Project Title	Program Budget Code	CDBG-MIT Planned Amount	Other Funds	Total	Percent of Total
Flood and Drainage Facilities - Flood Warning System (7 Budget Line Item records)						
Flood and Drainage Facilities	Flood Warning System	Acquisition	$0.00	$0.00	$0.00	0.0%
Flood and Drainage Facilities	Flood Warning System	Construction	$82,500.00	$0.00	$82,500.00	90.9%
Flood and Drainage Facilities	Flood Warning System	Engineering	$0.00	$0.00	$0.00	0.0%
Flood and Drainage Facilities	Flood Warning System	Environmental	$0.00	$0.00	$0.00	0.0%
Flood and Drainage Facilities	Flood Warning System	Grant Administration	$8,250.00	$0.00	$8,250.00	9.1%
Flood and Drainage Facilities	Flood Warning System	Planning	$0.00	$0.00	$0.00	0.0%
Flood and Drainage Facilities	Flood Warning System	Special Environmental	$0.00	$0.00	$0.00	0.0%
TOT			**$90,750.00**	**$0.00**	**$90,750.00**	**100.0%**
Public Facilities - Cooling College Station Tree Planting (7 Budget Line Item records)						
Public Facilities	Cooling College Station Tree Planting	Acquisition	$0.00	$0.00	$0.00	0.0%
Public Facilities	Cooling College Station Tree Planting	Construction	$237,645.00	$0.00	$237,645.00	90.0%
Public Facilities	Cooling College Station Tree Planting	Engineering	$0.00	$0.00	$0.00	0.0%
Public Facilities	Cooling College Station Tree Planting	Environmental	$0.00	$0.00	$0.00	0.0%
Public Facilities	Cooling College Station Tree Planting	Grant Administration	$26,405.00	$0.00	$26,405.00	10.0%

DRGR Activity	Project Title	Program Budget Code	CDBG-MIT Planned Amount	Other Funds	Total	Percent of Total
Public Facilities	Cooling College Station Tree Planting	Planning	$0.00	$0.00	$0.00	0.0%
Public Facilities	Cooling College Station Tree Planting	Special Environmental	$0.00	$0.00	$0.00	0.0%
TOT			**$264,050.00**	**$0.00**	**$264,050.00**	**100.0%**
Public Facilities - Generator at Lincoln Recreation Center (7 Budget Line Item records)						
Public Facilities	Generator at Lincoln Recreation Center	Acquisition	$0.00	$0.00	$0.00	0.0%
Public Facilities	Generator at Lincoln Recreation Center	Construction	$132,000.00	$0.00	$132,000.00	90.9%
Public Facilities	Generator at Lincoln Recreation Center	Engineering	$0.00	$0.00	$0.00	0.0%
Public Facilities	Generator at Lincoln Recreation Center	Environmental	$0.00	$0.00	$0.00	0.0%
Public Facilities	Generator at Lincoln Recreation Center	Grant Administration	$13,200.00	$0.00	$13,200.00	9.1%
Public Facilities	Generator at Lincoln Recreation Center	Planning	$0.00	$0.00	$0.00	0.0%
Public Facilities	Generator at Lincoln Recreation Center	Special Environmental	$0.00	$0.00	$0.00	0.0%
TOT			**$145,200.00**	**$0.00**	**$145,200.00**	**100.0%**
TOT			**$500,000.00**	**$0.00**	**$500,000.00**	**300.0%**

Duplication of Benefits

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 benefits does not occur.

Did you receive any FEMA funding?

No

Do you anticipate any FEMA funding?

No

Was the proposed project eligible for FEMA?

No

Provide all relevant FEMA Project worksheets, FEMA Project type, and evidence of funds committed/received/expended on the proposed project. Any project that sustained direct damage must have applied for FEMA Public Assistance clarifying the rights, roles, and responsibilities of all parties.

Is the budget in this application funding for the nonfederal share of a FEMA project?

No

Insurance Coverage

Did the applicant have insurance coverage on the proposed project?

No

Other Funding

Any and all funds identified for use on any project proposed in an application must be fully disclosed. Make sure information is complete and matches the budget provided.

Has the applicant submitted a request to fund a part of or the whole project described in the application?

No

Have any other state and/or federal agencies been contacted concerning funding for the proposed project?

No

Questions or comments? Please contact cdr.mitigation@recovery.texas.gov

Fair Housing

Affirmatively Furthering Fair Housing

Any locality receiving CDBG-MIT funds must certify that it will affirmatively further fair housing. Identify the activities already achieved to affirmatively further fair housing, and those new activities to be undertaken if a CDBG-MIT award is made. Please also provide an estimate of 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 the GLO to determine eligibility.

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

When prioritizing the projects for the application, as well as the locations in which they would take place, fair housing and proximity to vulnerable populations were two of the chief considerations. The new generator, to be located at the Lincoln Recreation Center, is in a historically low-income census block and is adjacent to several low-income neighborhoods. Likewise, the parks identified for tree planting were selected based on two key factors in the Cooling College Station five-year plan 1) highest heat index and 2) proximity to low-income neighborhoods. The early detection flood warning system project has gauges located within College Station's most prevalent neighborhoods located within flood zones; these neighborhoods, in addition to being at risk of flooding more so than other areas of the city, are also historically disadvantaged. All of the proposed projects were developed with the intention of making College Station's most vulnerable neighborhoods more resilient and prepared for natural disasters. The City utilized key plans, including the Emergency Management Plan and the Cooling College Station Plan to identify the greatest environmental risks to the community as well as the areas of the city most susceptible to negative outcomes. The City also referred to the Fair Housing Analysis completed in 2015 to gain a more robust understanding of housing needs and issues throughout the city, as well as how those issues are exasperated by environmental factors. This analysis informed project decisions and ensured that the City took a targeted approach to mitigation. Likewise, the City continued carrying out existing fair housing activities, including running fair housing advertisements on the local government television channel (a link to the fair housing TV ad can be found at https://youtu.be/J1CBCA3cHnA.) and presenting information on fair housing at community meetings, among other things, to ensure that the issue of fair housing, as well as how it relates to disaster mitigation, is a topic that all College Station residents are well-informed about.

Please reference the CDBG Mitigation Viewer for access to information and data on how to identify your populations that may be impacted by this project: https://gis-glo-cdr.hub.arcgis.com/pages/cdbg-mitigation-viewer. Please provide the document generated using the CDBG Mitigation Viewer to the document upload at the bottom of this screen.

What are the identified protected classes, racially and ethnically concentrated areas, and concentrated areas of poverty that may be impacted by this project?

Below is a description of pertinent demographic data relating to College Station Residents who will be impacted by the proposed projects. All of the following information was procured from the CDBG Mitigation Viewer, as well as 2020 Census Data:

College Station as a whole: The LMI population is 54,812, which represents 48% of the total population for the City. The City's racial and ethnic breakdown is 72.7% white, 8% African American, 9.9% Asian, 7,2% other races/multiracial, and 17.7% Hispanic or Latino. The poverty rate is 28.2%.

Generator Installation: The generator will be installed at the Lincoln Recreation Center, which is located in Census Tract 16.01 (Group 2), which has an LMI population of 785 individuals, which represents 98.62% of the total population in this tract. The generator will also be adjacent to tract 16.05 (Group 2), which has an LMI population of 1491 individuals representing 69.25% of the tract's population. This represents a combined number of LMI beneficiaries of 2,276 individuals.

Early Flood Warning System: TO BE ADDED AFTER PROJECT LOCATION IS ESTABLISHED

Tree Planting: TO BE ADDED AFTER PROJECT LOCATION IS ESTABLISHED

To be added.

Provide a meaningful analysis that describes how these identified populations may be impacted by this project.

Several key assumptions can be made regarding the populations impacted by the project.

1) A higher concentration of racial and ethnic minorities, as well as socioeconomically disadvantaged individuals, live near public parks, where the Cooling College Station Tree Planting will occur. These areas also represent some of the warmest in the City, putting minorities and socioeconomically disadvantaged individuals at an increased risk for extreme heat and negative health outcomes. By mitigating heat islands through tree planting, the City is committing to a more equitable quality of life for all residents, including increased access to the greenspaces' cooling effects and providing nature-based activities.

2) The new generator will be installed at Lincoln Recreation Center, which is located in a low-income census tract and surrounded by several low-income neighborhoods. In the case of evacuations from severe weather or the presence of heating/cooling stations during extreme cold or heat, it is the socioeconomically disadvantaged who will be most likely to utilize these services, as they are also the most likely to have limited access to safe shelter or amenities like heating or AC. The proposed project positively impacts the community by providing reliable and accessible shelter from extreme weather.

3) The Early Warning System for flooding, although impactful to the entire city, will be installed in flood zones that are also located in low-income census tracts. The individuals in these tracts are more likely to be adversely affected by flooding and would lack the financial resources to recoup losses as a result of flooding, as some, but not all, of the people in the area are able to maintain flood insurance. The Early Warning System will seek to notify individuals of potentially dangerous or life-threatening flooding situations in advance in an effort to curb worst case scenarios. Evidence consistently shows that an investment in early warning systems can save lives and are thus considered a best practice for hazard mitigation by agencies like FEMA. The investment in an early warning system can alert residents to danger quickly when seconds can mean the difference between life and death.

For each fair housing activity, provide a name and status. If the activity is Completed, enter the Date Initiated. If the activity is Planned, enter the To Be Completed By date.

	Name	Status	Date Initiated	To be completed by
Fair Housing Activity 1	Presentation and dissemination of fair housing materials at public meetings	Completed	07-15-2015	04-05-2023
Fair Housing Activity 2	Webpage dedicated to Fair Housing with information and a link to the Department of Housing and Urban Development	Completed	07-15-2015	04-05-2023
Fair Housing Activity 3	Conducts periodic surveys of the local housing industry and agencies to identify issues involving housing discrimination in the community	Completed	07-15-2015	04-05-2023
Fair Housing Activity 4	Fair Housing advertisements shared several times a day on the government news Channel	Completed	07-15-2015	04-05-2023

Please upload any pertinent documentation in the support of Affirmatively Furthering Fair Housing.

The following project document is required:
1. CDBG Mitigation Viewer Export

Document Type	File Name	Edit
CDBG Mitigation Viewer Export	LMI FY2021 College Station Overall.csv	Edit
CDBG Mitigation Viewer Export	LMI FY2021 by BLOCK GROUP Generator.csv	Edit
Fair Housing Activity information	2015 Fair Housing Analysis.pdf	Edit

Questions or comments? Please contact cdr.mitigation@recovery.texas.gov

Procurement

Procurement Information

Have services been procured for Engineering, Grant Administration, or Environmental Services?
Yes

Please indicate the status of each procured service.

Vendor Type	Procurement Status	Vendor Name	Contact Phone	Contact Email		
Environmental	In House				✓ No vendor info required.	Edit
Engineering	In House				✓ No vendor info required.	Edit
Grant Administration	In House				✓ No vendor info required.	Edit

Are there any persons/entities with a reportable financial interest to disclose?
No

Document Type	File Name	Edit
Local Procurement Policies and Procedures	Procurement Manual College Station.pdf	Edit

Questions or comments? Please contact cdr.mitigation@recovery.texas.gov

Citizen Participation

Citizen Participation

Please finish all sections of the application before posting your application for public comment. Once these issues are resolved, you'll see a button to print your application.

Activities:
One or more of your Projects is incomplete or has invalid responses.

80% DRAFT

Save & Return to Intake

This Project is missing information. Click here for details.

Project Info

Project Information

Applicants are required to provide sufficient detail about the 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 a successful review.

NOTE: For the project title, the spelling and capitalization together with any associated site number(s) identified in the application must be consistently used throughout the application to ensure clear identification of the full project scope, 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.)

DRGR Activity

Flood and Drainage Facilities

Project Type

Flood and Drainage

Project Title

Flood Warning System

Does this project include replacement or relocation of a facility (i.e., lift station, water treatment plant, etc.)

N/A

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 funding will cover a flood early warning system pilot project. The project includes installing three storm water gauges with hazard warning flasher beacons and annual vendor software services. The gauges will be installed at two - three locations throughout College Station, and will provide flood warnings and alerts to the public and notify Public Works and Emergency Management of roadway closures.

The scope of work for the project is as follows:

1. Administrative Activities. The following are early administrative activities that must take place before the project is initiated:

- Develop Sealed Bid, Publically Solicit Bid, and Award Firm Fixed-Price Contract to Responsible Bidder with Lowest Bid. The City will follow HUD's preferred procurement policies to publicly solicit a competent contractor using the sealed bid process.
- Execute Contract. The Contract will need to be approved by College Station City Council.

1. Initial Project Activities . Contractor will perform the following project initiation tasks as described for starting the project.

a. Project Initiation & Data Collection. Prepare and attend initial kickoff meeting with College Station, review historical flooding data for roadway, coordinate with College Station on planned capital improvement projects near planned gauge crossings to inform control box and sensor placement.

b. Field Reconnaissance & Measurement. Up to three (3) high flood risk roadway crossings will be evaluated for flood monitoring. Contractor will gather topographic information to determine general ponding depths for triggering flood warning alerts. This data will be used to inform sensor height placement and benchmark critical water levels for basing levels of flood criticality.

c. Cellular Network Connectivity. Contractor will conduct general cellular signal connectivity and signal strength testing.

2. Hardware Configuration – The following sub-tasks can be provided by Contractor for initial hardware configuration on a per roadway crossing basis for up to three (3) crossings.

- Gauge Installation Inspections
- Control Box Wiring
- Communication Testing
- Post-Event Quality Control

3. Hardware and Equipment Procurement. Contractor will procure all necessary equipment to facilitate the project. The cost of the hardware is based on the latest quotes provided by various vendors. The quotes include the cost of the gauge pole sensor hub, flasher pole hub, gauge pole equipment, flasher pole equipment, rain buckets, and pressure transducer.

4. Software Licensing (Annual). A fixed rate annual software licensing fee is set in the amount of $8,175 for cloud-based hosting services managed by the Contractor that can accommodate up to 3 roadway gauge site locations.

5. Training Workshop. Contractor can support College Station in preparing a half day training workshop with College Station's emergency responders as well as providing an overview with College Station's maintenance technicians on handling inspection work orders.

6. Flood Watch & Routine Monitoring – Contractor can provide on-call flood watch monitoring services during rainfall events for up to three (3) rainfall events, for an assumed eight (8) hour period per storm event. This includes remote gauge network monitoring and communication operations support with College Station personnel.

7. Documentation & Reporting. Contractor can support College Station in drafting a brief project technical memorandum that summarizes the projects planning, construction, and performance activities, as well as suggested maintenance scheduling. Contractor can revise the project report for up to one (1) round of review comments from College Station.

8. Meetings. Contractor will meet up to five (5) times with College Station. These meetings are assumed to be one (1) hour virtual conference calls.

9. Complete Final Report and Final Drawdown of Funds. At the conclusion of the project, a final project report will be submitted to HUD which will detail the activities of the project, from commencement to conclusion, and include required data and analysis from the mandatory post-construction monitoring phase. A final reimbursement request will also be submitted.

Selection of the three locations to be selected for the installation will be determined in a shared effort between the contractor and the City during the initial stages of the project. The project will positively affect the entire community of College Station. The system will close gaps in coverage in the Town's current system and the three locations for system gauges will be placed in historically low/moderate income areas in key locations to maximize effectiveness. The short list of locations were chosen due to their proximity to low-income and vulnerable residents, proximity to popular community gathering spaces, schools and to areas with gaps in coverage.

Evidence consistently shows that an investment in early warning systems can save lives. The deployment of outdoor early warning systems can alert residents to hazards and take necessary precautions when seconds can mean the difference between life and death.

Document Type	File Name	Edit

Document Type	File Name	Edit
Other supporting documentation	Potential Flood Hazard Signal Locations[1623].jpg	Edit

Project Site Title	Street Address		
		✗ Missing responses Waiting for clarification for multi-site projects	Edit

Describe a plan for the long-term funding and management of the operations and maintenance of the project.

The City will incorporate all ongoing operations and maintenance into the City's budget. O&M will e funded through the City's general fund. Due to the City's participation in in the State Flood Plan, College Station will be eligible for Flood Infrastructure Funds in 2024, which could be utilized to assist with gauge installation, as well as expand or maintain the system. Regardless of whether this funding is received, the City has the financial resources to maintain and operate the system in the future.

Please complete the proposed project schedule. In order to present the most accurate implementation schedule, please use April 1, 2023 as the start date to initiate the "Start-up Documentation" phase as this is an estimated date to initiate contract start. Note the future start date will be based on actual contract execution.
The duration must be a whole number.

Phase	Start	End	Duration	
Start-Up Documentation	11-01-2022	05-01-2023	6	Edit
Engineering Design	05-01-2023	07-01-2023	2	Edit
Environmental Review	05-01-2023	07-01-2023	2	Edit
Acquisition	07-01-2023	08-01-2023	1	Edit
Bid Advertisement	05-01-2023	08-01-2023	3	Edit
Contract Award	08-01-2023	09-01-2023	1	Edit
Construction NTP	08-01-2023	09-01-2023	1	Edit
Construction	09-01-2023	11-01-2023	2	Edit
Submit As-Builts/COCC/FWCR	11-01-2023	01-01-2024	2	Edit
Contract Closeout	04-01-2023	05-01-2023	1	Edit

Total proposed number of linear feet

Note to City: Please confirm or provide edits for the above timeline.

Total number of proposed public facilities.

Save & Return to Intake

National Objective

National Objective

Provide Total Number of Beneficiaries
23,268

Provide number of LMI Beneficiaries
16,142

Percentage of LMI Beneficiaries
69.37%

Is the applicant a HUD Exception Grantee?
No

REQUIRED: Census Geographic Area Data - Identify the census tract and block group(s) in which the project will take place

Census Tract	Block Groups		

Census Tract	Block Groups		
13.03	Group 1 ; Group 4	✓	Edit
16.06	Group 1 ; Group 2	✓	Edit
16.05	Group 1 ; Group 2	✓	Edit
17.01	Group 1 ; Group 2	✓	Edit
16.04	Group 1	✓	Edit
16.01	Group 1 ; Group 2 ; Group 3	✓	Edit

Considering the project benefit service area, please indicate the Race, Ethnicity, and Gender of the households to receive benefit from the proposed project. Please use the most currently available ACS 5-Year Estimate.

Male	Female	Total
11,903	11,365	23,268

Race and Ethnicity	# of Hispanic	# of Non-Hispanic	Total		
American Indian/Alaskan Native	108	23	131	✓	Edit
American Indian/Alaskan Native/Black African American	61	22	83	✓	Edit
American Indian/Alaskan Native/White	111	40	151	✓	Edit
Asian	0	2,064	2,064	✓	Edit
Asian/White	122	43	165	✓	Edit
Black African American	123	1,755	1,878	✓	Edit
Black African American/White	34	12	46	✓	Edit
Native Hawaiian / Other Pacific Islander	0	89	89	✓	Edit
Other Multi-Racial	1,422	507	1,929	✓	Edit
Some Other Race	858	16	874	✓	Edit
White	1,242	14,616	15,858	✓	Edit
TOT	**4,081**	**19,187**	**23,268**		

Document Type	File Name	Edit
Race/Ethnicity/Gender Calculator	race and ethnicity-calculator Flood Warning System.xlsx	Edit
DP05 (ACS 5-year estimate)	ACS 5 Year Estimate DP05 College Station.pdf	Edit

Which HUD national objective does the project meet?

LMI

Describe activities that benefit low- and moderate-income people.

Low-and-moderate income residents are at an increased risk as a result of natural disasters, due in large part to their lack of resources or access to information. The City makes great effort to inform and prepare residents and the general public for multi-hazard mitigation. The City's online venues including the website, social media pages, informational pamphlets, educational opportunities, and local television channel 19 provide information regarding preparedness, response, and local resources to build a more disaster resilient community. The Early Flood Warning System, in particular, is aimed at providing the most detailed and efficient information possible to alert residents of flooding threats. It will also provide long-term support to mitigation efforts by providing crucial data that will inform all future mitigation projects and will provide warnings in real time to even the most vulnerable residents.

Method(s) used to determine the beneficiaries:

LMI Area Benefit (City-wide)

What method was used for Beneficiary Identification?

Census (HUD LMISD)

Provide a brief description of the beneficiary identification method used to determine this national objective and upload supporting beneficiary maps, census data, and/or survey documents. (Recommended 200 words)

Census data was collected using the CDBG-MIT Viewer. In the event of a natural disaster, the flood warning system will send alerts to all residents, meaning that the proposed project has a citywide benefit to all 120,000 residents. However, the most immediate beneficiaries are those residing in the low-income census tracts listed above who are in communities more susceptible to flooding.

Document Type	File Name	Edit
LMISD data and/or CDBG-MIT Survey documentation	LMI FY2021 by BLOCK GROUP Flood Warning System.csv	Edit
LMISD data and/or CDBG-MIT Survey documentation	LMI FY2021 by BLOCK GROUP Flood Warning System.csv	Edit

U.S. Congressional District #	Texas Representative District #	Texas Senate District #
10	14	5

Save & Return to Intake

Environmental

Environmental

What is the current status of the project?

Not yet begun

Will the assistance requested have any negative impact(s) or effect(s) on the environment?

No

Is the proposed project likely to require an archaeological assessment?

No

Is the proposed site(s) listed on the National Register of Historic Places?

No

Is the project in a designated floodway or coastal high hazard area?

Yes

Is the project in a designated special flood hazard area or a designated wetland?

No

Is any project site located in a known critical habitat for endangered species?

No

Is any project site a known hazardous site?

No

Is any project site located on federal lands or at a federal installation?

No

Is any project site subject to or participating in Fixing America's Surface Transportation Act (FAST-41) (P.L. 114-94)?

No

What level of environmental review is likely needed for this project?

Categorical Exclusion

Provide any additional detail or information relevant to Environmental Review.

The project site is already disturbed land. The City expects a Categorical Exclusion. Environmental documentation is expected to be completed by [DATE]. Please note

Document Type	File Name	Edit
No Document records found		

Save & Return to Intake

Permits

Permits and Additional Information

Does the project require any federal, state, or other permits, approvals, or waivers to complete the proposed work?

No

Does the project require any type of ratified, legally binding agreement between the applicant and any other entity to provide continual operation upon completion?

No

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 a sewer and/or water facilities project, please choose N/A)

N/A

Save & Return to Intake

Budget Activity Lines

Budget Activity Line Items

Budget line items

Program Budget Code	CDBG-MIT Planned Amount	Other Funds	Total	Percent of Total		
Construction	$82,500.00	$0.00	$82,500.00	90.9%	✓	Edit
Engineering	$0.00	$0.00	$0.00	0.0%	✓	Edit
Grant Administration	$8,250.00	$0.00	$8,250.00	9.1%	✓	Edit
Special Environmental	$0.00	$0.00	$0.00	0.0%	✓	Edit
Environmental	$0.00	$0.00	$0.00	0.0%	✓	Edit
Acquisition	$0.00	$0.00	$0.00	0.0%	✓	Edit
Planning	$0.00	$0.00	$0.00	0.0%	✓	Edit
TOT	**$90,750.00**	**$0.00**	**$90,750.00**	**100.0%**		

Note: Only indicate a planned amount for applicable budgeted activities

Construction or public facilities budgetary information must be provided by a professional engineer or architect licensed to practice in the state of Texas using the CDBG-MIT Budget Justification of Retail Costs (formerly Table 2) form on the GLO Recovery website.

Document Type	File Name	Edit
No Document records found		

Save & Return to Intake

Mitigation

Mitigation Needs

The Disaster Impact provides the Applicant an opportunity to establish a link with a known hazard and provide a narrative as to how the community would be affected should no action be taken to mitigate against the threat.

Identify the specific risk the proposed project will mitigate against.

Riverine Flooding

Describe as to how the proposed project addresses/mitigates against the current and future risks identified.

The proposed flood warning system will provide flood warnings and alerts to the public, as well as notify Public Works and Emergency Management of roadway closures. The gauges will also archive historical rainfall and stream levels for model calibration for use in remapping floodplains and identifying future projects. The gauge system is more economical than traditional USGS storm gauges that have been installed in the past and incorporate a hazard warning system, which is a new feature.

There is an immediate need for this project, as it will help mitigate against the loss of life in the event of impending, life-threatening flooding emergencies. The warning system will alert residents of an impending disaster or emergency and let them know to seek shelter or avoid certain areas to mitigate against catastrophic harm. A real-life example that provides credence to this notion is a major flooding event in 2016 that left Highway 6 near College Station completely submerged underwater, trapping drivers in their vehicles and leaving them stranded in a life-threatening situation. (video of the flooding can be seen at https://abc13.com/weather/video-major-flooding-on-highway-6-near-college-station/1357501/) This situation fully illustrates the concept of "turn around, don't drown", which will be made increasingly possible by the early warning system.

City staff regularly inspect streets to ensure that drains and culverts are functioning properly and that there is not debris blocking drainage. This includes bringing outdated infrastructure into a modern design standard. These activities are an important part of floodplain management, and the early warning system's ability to provide raw data during flooding events will offer new insights into how to target management activities.

Provide information about how the proposed mitigation efforts integrate into the community's emergency and resiliency plans.

Large swaths of College Station are located within floodplains, which often causes issues to neighborhoods and businesses located within these areas. As Stated in the City's 2019 Emergency Management Plan, the local government should, "assist our citizens in carrying out their responsibilities [preparing themselves for disasters] by providing public information and instructions prior to and during disasters". Likewise, the plan details how the government has the primary responsibility in, "identifying and mitigating hazards, preparing for and responding to, and managing the recovery from emergency situations that affect our community" while residents have the responsibility to, "prepare themselves and their families to cope with emergency situations and manage their affairs and property in ways that will aid the government in managing emergencies." The proposed Early Flood Warning System fulfils all of the aforementioned emergency management goals as it 1) provides real time information on flood threats, allowing residents and public employees to safeguard themselves and their property and carry out essential job functions and 2) provides historical data on flooding, which ultimately leads to better, more informed planning and mitigation. The proposed early warning system

aligns with the Emergency Management Plan in that it will "alert persons that flash flooding is imminent or occurring in certain streams or designated areas, and immediate action must be taken". Readiness actions include notifying the public about the warning, evacuating low-lying areas, opening emergency shelters to house evacuees, and continuous situation monitoring. The early warning system is a vital tool in aiding readiness actions.

In the space provided, list documentation provided to support the identification of the threat or hazard and how it relates to potential impact.

FEMA Flood Map - College Station, TX

Documents

Document Type	File Name	Edit
Scope of work information, maps, and other applicable documentation for each Local effort identified	Full_FIRM_College Station.pdf	Edit

Provide a brief description of how the proposed project addresses an integrated approach to mitigation.
Applicants must develop their community mitigation projects in a manner that considers an integrated approach to housing, fair housing obligations, infrastructure, economic revitalization, and overall community resilience. Consideration of long-term planning processes is also highly encouraged. Hazard mitigation 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 by making it more resistant to disaster.

Flooding in College Station is most common near rivers, streams, and riverines, although flooding risks increase citywide in cases of extreme or severe weather. In creating the most recent five-year Consolidated Plan, staff noted the following, "The City of College Station has experienced various natural events including strong winds, hail, tornados, and extreme heat. As the City is located approximately 150 miles from the Texas gulf coast, hurricanes can have an impact to the area. The potential impacts of climate change -including an increase in prolonged periods of extreme temperatures, more heavy precipitation, more severe storms or floods – are often most significant for vulnerable communities. The rise in temperature could lead to altered weather and precipitation patterns, a rise in severe storms, an increased risk of catastrophic floods, increased electricity costs, and ruined crops. Additionally, any increase in the ocean levels or increased storm activity will lead to people moving from the coast. An increase of people could come into the City which may drive up housing costs, reduce the availability of jobs and tax resources" The threat of worsening weather patterns, including stronger hurricanes, increased precipitation and more frequent severe storms, has underscored the importance of thoughtful and integrated hazard mitigation.

The Consolidated plan also notes that low- and moderate-income residents are at particular risk due to having less available resources to combat the impacts of natural disasters. A dramatic rise in electricity or housing costs could put them at imminent risk of homelessness or living in substandard housing conditions. The Early Warning System's ability to collect data is of the utmost importance in integrated hazard mitigation because it will provide quantifiable evidence of flooding risks in vulnerable communities and public infrastructure and can be used as justification to undertake future mitigation projects. The City's five-year Consolidated Plan outlines efforts to improve flood drainage capacity in low-income communities, at public parks and near critical infrastructure.

Considering the local evaluation of hazard risks, responsible floodplain management, future extreme weather/natural disaster events, and long-term risks, describe how the proposed project promotes sustainable community resilience.

The proposed project promotes sustainable community resilience in several ways, including:

1) Sending out alerts in real time regarding flooding, which keeps residents out of high-risk areas, therefore mitigating potential loss of life.

2) Alerting relevant City departments and Emergency Management of roadway closures, which prompts them to find the safest routes around flooding to deliver emergency services or carry out job duties.

3) Collecting and providing raw data to be used for modeling, thus identifying areas of greatest risk and offering valuable insight into where future mitigation efforts need to take place.

4) Providing crucial information needed to remap floodplains, therefore providing the most accurate information possible to citizens and businesses about flood risks.

Describe how the proposed project is consistent with local and regional planning efforts to effect disaster mitigation.

The Emergency Management Plan for Brazos County, Texas A&M University and the Cities of Bryan, College Station, Kurten and Wixon Valley includes the following language, "Proper mitigation actions, such as floodplain management and fire inspections and building inspections, can prevent or reduce disaster-related losses. Detailed-emergency planning, training of emergency responders and other personnel, and conducting periodic emergency drills and exercises can improve our readiness to deal with emergency situations." The proposed project directly aids in floodplain management by providing raw data that can be analyzed to establish the highest risk flooding locations within the jurisdiction. It provides the opportunity to remap flood maps and will be a basis for future targeted mitigation efforts. Emergency Drills can be conducted on a regular basis to familiarize residents with the warning system so that when flooding is occurring, residents will be well-equipped and prepared for potential hazards.

Was a cost-benefit analysis used in the selection of the proposed project?

No

Describe how the proposed project impacts vulnerable populations in the local community.

The City has identified twenty locations that need flood warning gauges. The three locations for the proposed project will be determined during the final design phase in coordination with the chosen contractor (see attached map). All twenty of the prospective locations for three flood warning system gauges are located within low/moderate income census tracts. Many of the neighborhoods in these tracts are located in or near low-lying areas and are more susceptible to flooding than other areas of the city. The overarching goal of the project (to reduce or eliminate loss of life and/or property damage by increasing the effectiveness of College Station's management of flood hazard events) is particularly beneficial to low/moderate income individuals because these individuals generally have access to fewer resources and live in dwellings less capable of withstanding moderate to major flooding. The early warning system will positively impact all of the 120,000 residents of college station, but especially those 23,268 individuals who live in the low-income tracts where the gauges will be located, as it is likely that the threat of flooding will be most immediate to them.

Describe how the proposed project creates economic opportunities for the local community.

Flooding continues to be a major source of turmoil for vulnerable communities, which includes both residential and commercial dwellings. Damages that result from flooding can present a significant financial burden to homeowners and business owners alike. Furthermore, not all households are able to afford to maintain flood insurance, which causes even greater issues in the event of a significant flood. For businesses, even when flood insurance is present, the time it takes to repair damages significantly cuts into profit margins. Having an early flood warning system not only mitigates loss of life and injury, it also warns individuals when there is a threat of flooding, allowing them time to potentially mitigate against the event. Less damage to homes and businesses increases the amount of money flowing throughout the local economy and gives individuals greater financial freedom.

Does this project disproportionately impact vulnerable populations in the local community?

Yes

If yes, explain in a text box.

All twenty of the locations in consideration for the flood warning system gauges are located within low-income census tracts. The neighborhoods within these tracts are often in more low-lying areas of the city, therefore putting them at increased risk of flooding. Although the warning system will benefit all 120,000 residents of College Station, the 23,268 residents within the low-income tracts will be the most immediate beneficiaries of the project, as their proximity to floodplains puts them at more imminent risk. Low-income residents tend to have access to fewer resources and their dwellings are typically less equipped to handle moderate - to - severe flooding events, which puts them at increased risk. When seeking shelter or avoiding areas of concern during flooding events can mean the difference between life and death, it is imperative that the City's most vulnerable residents are adequately served by hazard mitigation tools.

Does the proposed project align with investments from other state or local capital improvements and infrastructure development efforts?

Yes

If yes, provide a description of how the proposed project does so. Additionally, identify sources and amounts of additional infrastructure funding (state and local capital improvements projects and/or private investments.)

Due to the city's participation in the State Flood Plan, they are eligible for Flood Infrastructure Funds in 2024 that could be utilized towards funding the remaining flood warning gauges.

Does the proposed project employ adaptable and reliable technology to guard against premature obsolescence?

No

Describe the applicant's overall mitigation plan and how the project addressed in this application furthers that plan.

In the hazard summary outlined in the Emergency Management Plan, flash flooding and river flooding were both given a "likely" occurrence rating, the second highest behind only structural fires (deemed "very likely") and both were determined to have a moderate impact on property and public health and safety. The Emergency Management Plan expressly states that preemptive floodplain management is an essential function in hazard mitigation. The proposed flood warning system will include technology that can collect raw data, which in turn can be analyzed to provide critical information on areas most susceptible to flooding. This will aid in remapping floodplains to maximize their effectiveness and ensure that floodplain management is targeted.

Describe how the proposed project will contribute to the community's resiliency against future disasters as a result of these projects.

The ability of the gauges to archive historical rainfall and stream levels is an important contribution towards the community's resiliency against future disasters, as it will provide critical raw data that can be used to create models illustrating areas at highest risk of flooding. These models will inform the remapping of floodplains and calibrate future projects so that the community is best prepared for disasters and projects are tailored to the most immediate and pressing needs associated with flood management.

Early flood warning systems have a global history of providing crucial alerts to the communities in which they are installed. The alerts provide life-saving information to residents in even the most flood-prone communities. Bangladesh is noted by the Internation Federation of Red Cross and Red Cresent Society as being one of the most disaster-prone countries in the world

where major flooding events are an annual occurrence. Following significant flooding events in both 2017 and 2019, Bangladesh invested in an early flood warning system and specialized training for emergency personnel for four communities and conducted a study to test its effectiveness in providing life and property saving information during disasters. Data showed that 98% of community members received early alerts and that 83% were able to protect their valuables and 59% were able to protect financial interests. Overall, the study showed that the four communities included in the study experienced 66% less economic loss than other similarly affected communities. The system also reduced the amount of time families needed to recover from the flood by several days.

The Bangladesh example shows that a similar early warning system can provide benefits in College Station, which is much smaller and less disaster prone. Mitigation against loss of life and property is important no matter the size of the community or the disaster risk level. Flood management that is proactive, rather than reactive, is in the best interest of the community.

Save & Return to Intake

80% DRAFT

City of College Station › Public Facilities › Generator at Lincoln Recreation Center

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This Project is missing information. Click here for details.

Project Info

Project Information

Applicants are required to provide sufficient detail about the 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 a successful review.

NOTE: For the project title, the spelling and capitalization together with any associated site number(s) identified in the application must be consistently used throughout the application to ensure clear identification of the full project scope, 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.)

DRGR Activity

Public Facilities

Project Type

Community Centers

Project Title

Generator at Lincoln Recreation Center

Does this project include replacement or relocation of a facility (i.e., lift station, water treatment plant, etc.)

No

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).

The proposed generator will be installed at the Lincoln Recreation Center, which is located at Tarrow Park. All activities will take place at 1000 Eleanor Street and will only affect the Lincoln Recreation Center. No ground disturbance at any other location at the park will take place.
The following is a detailed scope of work for the proposed project:
1. Hire a consultant. Develop RFQ, advertise, evaluate proposals, select consultant, award final contract, and kick-off meeting with the consultant.
2. Final Design and Engineering. The Project Manager will approve final design plans for the generator.
3. Permits and Fees. Minimal permits will be needed for the project,and include a construction permit and an electrical permit. Both permits are issued by the City of College Station. All fees will be waived.
4. Mobilization. The Project Manager will execute contracts with chosen contractor, obtain purchase orders and insurance. Project Manager will conduct a pre-construction meeting with the chosen Contractor. Contractor will set up the staging area for construction.
5.Order Generator, Transfer Switch, Materials, and Hardware. Project Manager will authorize successful contractor to order long lead items.
6. Procure Equipment and Materials. The Project Manager will authorize the contractor to order long lead equipment, procure the necessary rebar, forms, and concrete to install the concrete generator pad. The Contractor will excavate, fill, and compact onsite soil, and will haul off and dispose of any excess soil to achieve design elevation, if necessary.
7. Conduit, Wiring, and Connections. The Contractor will perform all steps necessary to install all conduit and wiring to connect the diesel generators to the self-contained diesel pump system.
8. Transfer Switch. The Contractor will perform all steps necessary to install the transfer switch.
9. Generator. The Contractor will furnish all materials, equipment, implements, supplies, tools, and facilities, and perform all labor and services necessary or required for the completion of all construction work to install the back-up generator.
10. Switchboard Hardware. The Contractor will furnish all materials, equipment, implements, supplies, tools, and facilities, and perform all labor and services necessary or required to install switchboard hardware.
11. Inspection. The City's inspections team will perform all necessary inspections of the new generator.
12. Project Closeout. The Project Manager will attend to all project closeout activities and submit final reports.

Document Type	File Name	Edit
Maps indicating latitude and longitude for proposed locations	Lat-Long Map Generator.pdf	Edit

Project Site Title	Street Address		
Lincoln Recreation Center Generator	1000 Eleanor St.	✓	Edit

Describe a plan for the long-term funding and management of the operations and maintenance of the project.

The Lincoln Recreation Center is managed by College Station's Parks and Recreation Department. They will assume maintenance of the generator after it is installed, and long-term funding will be rolled into the City budget and maintenance schedule, Expected maintenance costs are estimated to be XXXX.
**NOTE TO CITY: Does the City already provide O&M for any generators in the city? What tasks are included in the schedule?

Please note.

Please complete the proposed project schedule. In order to present the most accurate implementation schedule, please use April 1, 2023 as the start date to initiate the "Start-up Documentation" phase as this is an estimated date to initiate contract start. Note the future start date will be based on actual contract execution.
The duration must be a whole number.

Phase	Start	End	Duration	
Start-Up Documentation	11-01-2022	03-01-2023	4	Edit
Engineering Design	03-01-2023	09-01-2023	6	Edit
Environmental Review	05-01-2023	09-01-2023	4	Edit
Acquisition	09-01-2023	11-01-2023	2	Edit
Bid Advertisement	09-01-2023	10-01-2023	1	Edit
Contract Award	10-01-2023	11-01-2023	1	Edit

Phase	Start	End	Duration	
Construction NTP	11-01-2023	12-01-2023	1	Edit
Construction	12-01-2023	02-01-2024	2	Edit
Submit As-Builts/COCC/FWCR	02-01-2024	04-01-2024	2	Edit
Contract Closeout	04-01-2024	05-01-2024	1	Edit

Total proposed number of linear feet

Note to City: Please review and provide revisions/feedback on timeline.

Total number of proposed public facilities.
1

Save & Return to Intake

National Objective

National Objective

Provide Total Number of Beneficiaries
14,183

Provide number of LMI Beneficiaries
9646

Percentage of LMI Beneficiaries
68.01%

Is the applicant a HUD Exception Grantee?
No

REQUIRED: Census Geographic Area Data - Identify the census tract and block group(s) in which the project will take place

Census Tract	Block Groups		
16.05	Group 1 ; Group 2	✓	Edit
16.01	Group 1 ; Group 2 ; Group 3	✓	Edit
16.04	Group 1 ; Group 2 ; Group 3	✓	Edit

Considering the project benefit service area, please indicate the Race, Ethnicity, and Gender of the households to receive benefit from the proposed project. Please use the most currently available ACS 5-Year Estimate.

Male	Female	Total
7255	6928	14,183

Race and Ethnicity	# of Hispanic	# of Non-Hispanic	Total		
American Indian/Alaskan Native	66	14	80	✓	Edit
American Indian/Alaskan Native/Black African American	37	13	50	✓	Edit
American Indian/Alaskan Native/White	67	24	91	✓	Edit
Asian	0	1,258	1,258	✓	Edit
Asian/White	74	26	100	✓	Edit
Black African American	75	1,069	1,144	✓	Edit

Race and Ethnicity	# of Hispanic	# of Non-Hispanic	Total		
Black African American/White	20	7	27	✓	Edit
Native Hawaiian / Other Pacific Islander	0	54	54	✓	Edit
Other Multi-Racial	867	309	1,176	✓	Edit
Some Other Race	523	10	533	✓	Edit
White	759	8,911	9,670	✓	Edit
TOT	**2,488**	**11,695**	**14,183**		

Document Type	File Name	Edit
Race/Ethnicity/Gender Calculator	race and ethnicity-calculator Generator.xlsx	Edit
DP05 (ACS 5-year estimate)	ACS 5 Year Estimate DP05 College Station.pdf	Edit
Supporting census tract/block group or other beneficiary data maps	LMI FY2021 by BLOCK GROUP Generator Lincoln Recreation Center.csv	Edit

Which HUD national objective does the project meet?

LMI

Describe activities that benefit low- and moderate-income people.

The proposed generator will allow the Lincoln Recreation Center to act as a warming/cooling center during weather events, whether that be extreme heat or extreme cold. While the Recreation Center will be open to all College Station residents, the most likely project beneficiaries will be low-income and/or homeless individuals who do not have access to reliable shelter or heating/cooling.

During Summer months (June, July, August) average temperatures are in the upper nineties during the day. While the winter months (December, January, February) are typically mild (averages in low sixties), the City is presently ill-equipped to handle bouts of extreme cold. For example, in February 2021, most of the state of Texas experienced an extreme winter storm that brought snow, ice, and dangerously low temperatures to most of the state. College Station experienced daytime temperatures in the single digits (recording temperatures as low as six degrees), was covered in 4 inches of snow, and (according to poweroutage.us) had over 60% of households out of power.

The Snow Storm of 2021 illustrates the importance of heating/cooling stations and how they are essential to mitigating risks of serious temperature-related complications and can be lifesaving resources to the community. Low-and-moderate-income people are at an increased risk of adverse outcomes due to extreme heat or cold because they often lack essential resources (like personal generators) to maintain livable conditions within their place of residence. Heating and cooling stations, like what is to be set up at Lincoln Recreation Center, provide refuge from extreme weather that is both reliable and accessible. The new generator will provide backup power to the facility so that even in the case of the 2021 snowstorm when over 4.4 million Texans were out of power, the facility can still operate as an emergency shelter for those in need.

Method(s) used to determine the beneficiaries:

LMI Area Benefit (City-wide)

What method was used for Beneficiary Identification?

Census (HUD LMISD)

Provide a brief description of the beneficiary identification method used to determine this national objective and upload supporting beneficiary maps, census data, and/or survey documents. (Recommended 200 words)

Census data was collected using the CDBG-MIT Viewer. In the event of a natural disaster, the community center will be opened to all residents, meaning that the proposed project has a citywide benefit to all 120,000 residents.

Document Type	File Name	Edit
Supporting census tract/block group or other beneficiary data maps	LMI FY2021 by BLOCK GROUP Generator Lincoln Recreation Center.csv	Edit

U.S. Congressional District #	Texas Representative District #	Texas Senate District #
10	14	5

Save & Return to Intake

Environmental

Environmental

What is the current status of the project?

Not yet begun

Will the assistance requested have any negative impact(s) or effect(s) on the environment?

No

Is the proposed project likely to require an archaeological assessment?
No

Is the proposed site(s) listed on the National Register of Historic Places?
No

Is the project in a designated floodway or coastal high hazard area?
No

Is the project in a designated special flood hazard area or a designated wetland?
No

Is any project site located in a known critical habitat for endangered species?
No

Is any project site a known hazardous site?
No

Is any project site located on federal lands or at a federal installation?
No

Is any project site subject to or participating in Fixing America's Surface Transportation Act (FAST-41) (P.L. 114-94)?
No

What level of environmental review is likely needed for this project?
Categorical Exclusion

Provide any additional detail or information relevant to Environmental Review.
The proposed project does not include any notable environmental risks. The project site is already disturbed land. The City expects a Categorical Exclusion once the environmental documentation is complete. The expected completion date is [DATE].

Document Type	File Name	Edit
No Document records found		

Save & Return to Intake

Permits

Permits and Additional Information

Does the project require any federal, state, or other permits, approvals, or waivers to complete the proposed work?
Yes

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.
The proposed project will require a Construction Permit and Electrical Permit, both of which will be provided by the City of College Station Planning and Development Services Department. Permits take approximately one month to approve. Project staff will undergo the permit process once all mitigation projects are approved by the State.

Document Type	File Name	Edit
No Document records found		

Does the project require any type of ratified, legally binding agreement between the applicant and any other entity to provide continual operation upon completion?
No

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 a sewer and/or water facilities project, please choose N/A)
N/A

Save & Return to Intake

Budget Activity Lines

Budget Activity Line Items

Budget line items

Program Budget Code	CDBG-MIT Planned Amount	Other Funds	Total	Percent of Total		
Construction	$132,000.00	$0.00	$132,000.00	90.9%	✓	Edit
Engineering	$0.00	$0.00	$0.00	0.0%	✓	Edit
Grant Administration	$13,200.00	$0.00	$13,200.00	9.1%	✓	Edit
Special Environmental	$0.00	$0.00	$0.00	0.0%	✓	Edit

Program Budget Code	CDBG-MIT Planned Amount	Other Funds	Total	Percent of Total		
Environmental	$0.00	$0.00	$0.00	0.0%	✓	Edit
Acquisition	$0.00	$0.00	$0.00	0.0%	✓	Edit
Planning	$0.00	$0.00	$0.00	0.0%	✓	Edit
TOT	**$145,200.00**	**$0.00**	**$145,200.00**	**100.0%**		

Note: Only indicate a planned amount for applicable budgeted activities

Construction or public facilities budgetary information must be provided by a professional engineer or architect licensed to practice in the state of Texas using the CDBG-MIT Budget Justification of Retail Costs (formerly Table 2) form on the GLO Recovery website.

Document Type	File Name	Edit
CDBG-MIT - Budget Justification of Retail Costs form (completed, signed, and sealed by a professional engineer or architect licensed to work in the State of Texas)	budget-justification-of-retail-costs Generator.xlsx	Edit

Save & Return to Intake

Mitigation

Mitigation Needs

The Disaster Impact provides the Applicant an opportunity to establish a link with a known hazard and provide a narrative as to how the community would be affected should no action be taken to mitigate against the threat.

Identify the specific risk the proposed project will mitigate against.

Storms ; Tornadoes

Describe as to how the proposed project addresses/mitigates against the current and future risks identified. Please note.

The proposed generator will provide backup power for the Lincoln Recreation Center, which will be used as an emergency facility or heating/cooling location in the event of extreme weather conditions. The location is large enough to accommodate XX individuals and will be particularly beneficial to low-income and unsheltered individuals who are more susceptible to negative outcomes as a result of extreme weather (heat strokes, hypothermia, severe weather, etc.). Installing the new generator provides reliable back-up power and ensures that the facility is fully functional for any type of event that requires mass care. The back-up power will keep heating and cooling systems working, lights on, and help maintain communication systems, both internally and externally. The Hazard Mitigation Plan identifies power failure as a likely risk that poses a moderate threat to public safety, and recent events, such as the 2021 Texas Snowstorm, provide real life examples of how widespread power outages can threaten public safety and cause potentially life-threatening situations when mitigation resources do not exist.

Provide information about how the proposed mitigation efforts integrate into the community's emergency and resiliency plans.

Installing a new generator at the Lincoln Recreation Center aligns with and supports the following provisions in the Emergency Management Plan for Brazos County, Texas A&M University and Cities of Bryan, College Station, Kurten and Wixon Valley that was approved in June 2019. The provisions include:

VI. Organization and Assignment of Responsibilities Section 6.E.2.B: "Arrange for the provision of emergency power sources when required."

VIII. Readiness Levels Section 3.4 "Winter Storm Warning: Issued when heavy snow, sleet, or freezing rain are forecast to occur separately or in combination. Readiness actions may include preparing for possible power outages..."

The plan also features a Hazard Summary, which was devised by Brazos County to take into account hazards that have the potential for disrupting the community, causing casualties, and damaging or destroying public and private property. Among the identified hazards, electrical system failure is noted as being a likely occurrence that will have a moderate impact on public health and safety.

In the space provided, list documentation provided to support the identification of the threat or hazard and how it relates to potential impact.

Emergency Management Plan - 2019

Documents

Document Type	File Name	Edit
Scope of work information, maps, and other applicable documentation for each Local effort identified	Emergency Management Plan - 2019.pdf	Edit

Provide a brief description of how the proposed project addresses an integrated approach to mitigation.
Applicants must develop their community mitigation projects in a manner that considers an integrated approach to housing, fair housing obligations, infrastructure, economic revitalization, and overall community resilience. Consideration of long-term planning processes is also highly encouraged. Hazard mitigation 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 by making it more resistant to disaster.

The Lincoln Recreation Center was selected as the project location because of its size, but also because of its proximity to low-income housing and at-risk populations. The proposed project represents a much-needed modernization to the Recreation Center that will aid College Station's most vulnerable residents for years to come. There are no other facilities in the area with the capacity to house so many individuals, nor is there one with adequate proximity to the most vulnerable neighborhoods in the area. The Lincoln Recreation Center is also centrally located near main roads and is a point of interest for the gray bus line for the Brazos County Transit District, meaning that individuals from all over the city will have access to it in the event of a natural disaster. The Recreation Center is well-known in the community and currently serves as a public gathering place. The Center hosts many public events and activities for youth, adults and seniors, including an After School Program, Zumba, and Senior's Night Out. The facility includes two gymnasiums, game room, fitness room, multipurpose rooms, splash pad, and a 13,000 square foot covered pavilion.

Considering the local evaluation of hazard risks, responsible floodplain management, future extreme weather/natural disaster events, and long-term risks, describe how the proposed project promotes sustainable community resilience.

The Lincoln Recreation Center itself is not located within a floodplane; however, many homes in the surrounding neighborhoods are, which makes them vulnerable to flooding events. Likewise, the Recreation Center is located at Tarrow Park, which along with its surrounding neighborhoods (including the historically low-income and racially diverse Mccullah neighborhood), is located in one of the warmest areas of the city (See attached Heat Island Map). This information, coupled with the fact that the Recreation Center is located in a historically disadvantaged and low-income neighborhood, indicates that there is a high population of individuals who are susceptible to extreme heat. The facility is an ideal cooling location, as it is large enough to accommodate many individuals while also being accessible to several of the most vulnerable neighborhoods in the city. In the event of a natural disaster, including tornados, hurricanes, snow storms, etc., the Recreation Center is centrally located within the City to be easily accessible to all individuals.

Describe how the proposed project is consistent with local and regional planning efforts to effect disaster mitigation.

The proposed project aligns with and supports language in the Emergency Management Plan that outlines the importance of have backup power, should mass electrical failures occur. In hazardous situations, such as ice storms or severe weather like tornados or flooding, there is a likelihood that widespread power outages could occur, therefore leaving thousands of residents without power and considerably more vulnerable. At present, the Lincoln Recreation Center does not have a backup power source, which renders is incapable of acting as an emergency facility should power outages occur. Having the generator all but ensures that the building can function in the way it has been designed to, in the event of an emergency.

Was a cost-benefit analysis used in the selection of the proposed project?

No

Describe how the proposed project impacts vulnerable populations in the local community.

The Lincoln Recreation Center is located in Census Tract 16.05, which is a historically low-income tract. The tract has a population of 4,493 (White 55%, Black 10%, Asian 18%, Hispanic 12%, Other 3%) with a MHI of $41,164. According to the CEQ, this CT has a higher burden for climate change, asthma, and occurrence of particulate matter. The Lincoln Recreation Center was originally constructed as the A&M Consolidated Negro School. It is now used as a community gathering and recreation center; it's close proximity to the McCulloh neighborhood, a historically African American neighborhood, makes it a suitable candidate for an emergency shelter for the area. The proposed generator will ensure that the Center is able to maintain power in the event of severe/extreme weather and provide a safe shelter for individuals in need. Being in a low-income census tract indicates that residents will have fewer resources available to them and would benefit greatly from a centralized location that offers warmth, air conditioning and electricity in the event of a disaster.

Describe how the proposed project creates economic opportunities for the local community.

**To come later. Want to get City perspective on this question.
Will the generator positively impact College Station's economy or the economic wellbeing of residents??

Please note.

Does this project disproportionately impact vulnerable populations in the local community?

Yes

If yes, explain in a text box.

While open to all residents of College Station, the Lincoln Recreation Center is also adjacent to low-income neighborhoods, including the McCullough neighborhood, which is disproportionately comprised of racial and ethnic minority groups relative to the rest of the City. So, while the Center can accommodate individuals from all over the City, it will be particularly accessible to the low-income individuals and families in nearby neighborhoods.

Does the proposed project align with investments from other state or local capital improvements and infrastructure development efforts?

No

Does the proposed project employ adaptable and reliable technology to guard against premature obsolescence?

No

Describe the applicant's overall mitigation plan and how the project addressed in this application furthers that plan.

The proposed generator is crucial to providing reliable backup power in the event of mass outages and ensures that the Lincoln Recreation Center has the capacity to withstand the challenges associated with natural disasters, extreme weather, or other circumstances that would result in the need for mass care or emergency operations. The generator is large enough to power the whole facility should the situation arise. College Station's Emergency Managment Plan recognizes the importance of maintaining operations in the event of power failure, citing it as a likely event that could pose significant harm to life and property.

Describe how the proposed project will contribute to the community's resiliency against future disasters as a result of these projects.

In the event of extreme weather events, including flooding, earthquakes or tornados, it's important for there to be an easy-to-access facility that can accommodate a large number of people. Likewise, during the heat of summer or winter weather, there are many low-income and unsheltered individuals who do not have access to a safe shelter or amenities like heating and cooling. The Lincoln Recreation Center, which is adjacent to several low-income neighborhoods, is a prime location for an emergency shelter, heating/cooling facility, etc. However, it's important that it is equipped with reliable backup power in the case of mass outages. The generator will provide a safeguard against power failure and allow the facility to operate to full capacity. The Center can also be set up as a command center in the event of extreme weather or other hazardous conditions, as it is accessible to the entire town. It is a well-known, well-equipped facility in which to provide mass care and communications to the community at-large.

Save & Return to Intake

80% DRAFT

City of College Station › Public Facilities › Cooling College Station Tree Planting

Save & Return to Intake

This Project is missing information. Click here for details.

Project Info

Project Information

Applicants are required to provide sufficient detail about the 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 a successful review.

NOTE: For the project title, the spelling and capitalization together with any associated site number(s) identified in the application must be consistently used throughout the application to ensure clear identification of the full project scope, 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.)

DRGR Activity

Public Facilities

Project Type

Parks/Playgrounds/Other Recreational Facilities

Project Title

Cooling College Station Tree Planting

Does this project include replacement or relocation of a facility (i.e., lift station, water treatment plant, etc.)

N/A

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 plant [NUMBER] trees in [NUMBER] of parks. All proposed activities support the goals to mitigate urban heat island effects, decrease ambient temperature, increase urban forest, and enhance greenspaces. The following activities are included in the scope of work:

Please note.

1. Enter into contract with the funding agency; all requirements for the city will be established, including accomplishments, payments, methods, and penalties.
2. Kick-off Meeting. The City will host a meeting for project stakeholders to discuss the project, responsibilities, and schedule.
3. Final Design. City Staff will complete final tree palette and irrigation system design.
4. Purchase Trees/Materials. Climate appropriate trees will be purchased, along with tree posts and mulch. An irrigation system will also be developed to maintain the trees once they are planted.
5. Public Outreach. The public will be informed of the tree planting via the City website and social media. The City will also advertise information regarding the ribbon cutting/tree planting event at least 30 days prior to the event.
6. Ribbon Cutting. The City will host a ribbon cutting/tree planting event open to the public
7. Tree Planting/Installation. City staff or a selected contractor will plant XXX trees and install water-wise irrigation, mulch, and tree posts.
Reporting. The City will report project progress and submit invoices as defined in the contract.
8. Closeout. The City will provide all final documentation and complete funding drawdowns; any final reports will be sent to the state.

Heat islands are defined by the EPA as "islands" of higher temperatures in urbanized areas as compared with less developed surrounding areas. Across the U.S., daytime temperatures in urban areas tend to be about 1–7°F higher than in surrounding areas and nighttime temperatures are approximately 2–5°F higher. These differences are typically even greater for humid regions. College Station, through a five-year plan, has extensively explored the strategy of planting more trees within urban areas to reduce temperatures, as trees provide a wide spectrum of benefits including: energy conservation, enhanced air quality, improved water quality, enhanced aesthetics, and increased property values.

The overarching goal of the program is to reduce peak summer temperatures in College Station by an average 2 - 9 degrees and provide the community with tools that mitigate and adapt to climate hazards associated with extreme heat.

Document Type	File Name	Edit
No Document records found		

Project Site Title	Street Address		
No Project Site records found			

To be added when sites identified.

Describe a plan for the long-term funding and management of the operations and maintenance of the project.

The City will incorporate all ongoing operations and maintenance into the City's budget. O&M will b funded thrugh the City's general fund. The City has a broken down cost estimate per year for tree planting in the Cooling College Station five-year plan. This includes the price per tree and the number of trees to be planted at each priority planting location. College Station received a TAMU Community Forest grant in the amount of $43,302.50 (with a 50/50 local match from the City for a combined total of $86,605.) to begin tree planting activities at two parks. The funding covered planting 117 trees and installing water-wise irrigation. In the future, CDBG funds will be utilized to continue tree planting in low-income neighborhoods. The rest of the funding for the project will be a combination of other grant sources, as well as local funds.

Please complete the proposed project schedule. In order to present the most accurate implementation schedule, please use April 1, 2023 as the start date to initiate the "Start-up Documentation" phase as this is an estimated date to initiate contract start. Note the future start date will be based on actual contract execution. The duration must be a whole number.

Phase	Start	End	Duration	
Start-Up Documentation	04-01-2023	10-01-2023	6	Edit
Engineering Design	05-01-2023	09-01-2023	4	Edit
Environmental Review	05-01-2023	09-01-2023	4	Edit
Acquisition	09-01-2023	11-01-2023	2	Edit
Bid Advertisement	09-01-2023	10-01-2023	1	Edit
Contract Award	10-01-2023	11-01-2023	1	Edit

Phase	Start	End	Duration	
Construction NTP	11-01-2023	12-01-2023	1	Edit
Construction	12-01-2023	02-01-2024	2	Edit
Submit As-Builts/COCC/FWCR	02-01-2024	04-01-2024	2	Edit
Contract Closeout	04-01-2024	05-01-2024	1	Edit

Total proposed number of linear feet

Please either confirm or provide edits to the above timeline.

Total number of proposed public facilities.

Save & Return to Intake

National Objective

National Objective

Provide Total Number of Beneficiaries

Provide number of LMI Beneficiaries

Percentage of LMI Beneficiaries

NOTE: TO BE ADDED WHEN SITES IDENTIFIED

Is the applicant a HUD Exception Grantee?
No

REQUIRED: Census Geographic Area Data - Identify the census tract and block group(s) in which the project will take place

Census Tract	Block Groups		
No Census Tract records found			

Considering the project benefit service area, please indicate the Race, Ethnicity, and Gender of the households to receive benefit from the proposed project. Please use the most currently available ACS 5-Year Estimate.

Male Female Total

Race and Ethnicity	# of Hispanic	# of Non-Hispanic	Total		
American Indian/Alaskan Native				✗ Missing hispanic population. ✗ Missing non-hispanic population.	Edit
American Indian/Alaskan Native/Black African American				✗ Missing hispanic population. ✗ Missing non-hispanic population.	Edit
American Indian/Alaskan Native/White				✗ Missing hispanic population. ✗ Missing non-hispanic population.	Edit
Asian				✗ Missing hispanic population. ✗ Missing non-hispanic population.	Edit
Asian/White				✗ Missing hispanic population. ✗ Missing non-hispanic population.	Edit
Black African American				✗ Missing hispanic population. ✗ Missing non-hispanic population.	Edit
Black African American/White				✗ Missing hispanic population. ✗ Missing non-hispanic population.	Edit
Native Hawaiian / Other Pacific Islander				✗ Missing hispanic population. ✗ Missing non-hispanic population.	Edit

Race and Ethnicity	# of Hispanic	# of Non-Hispanic	Total		
Other Multi-Racial				✗ Missing hispanic population. ✗ Missing non-hispanic population.	Edit
Some Other Race				✗ Missing hispanic population. ✗ Missing non-hispanic population.	Edit
White				✗ Missing hispanic population. ✗ Missing non-hispanic population.	Edit
TOT					

Document Type	File Name	Edit
No Document records found		

Which HUD national objective does the project meet?

LMI

Describe activities that benefit low- and moderate-income people.

When the Cooling College Station Plan was devised in 2022, ten priority locations were identified based the hot spots where planting could produce the most beneficial outcomes for heat mitigation. Furthermore, these areas were identified as ones that provide greater certainty for the prolonged growth of the trees. Staff identified areas that would not likely be subject to future disturbance, such as street widenings, which may cause the removal of the trees before they reach maturity and provide the desired benefits. All of the locations were public parks throughout College Station, many of which are located in or adjacent to low-income census tracts or neighborhoods. Low-income and impoverished residents are at the greatest risk for heat related illnesses and have the least robust access to cooling resources. It is therefore imperative that these priority locations are the first to receive heat mitigation, as it will disproportionately affect low-income residents. The [number] parks proposed for CDBG funding are located in low/moderate income census tracts.
More information to be added when locations are provided

Method(s) used to determine the beneficiaries:

LMI Area Benefit (City-wide)

Please note.

What method was used for Beneficiary Identification?

Census (HUD LMISD)

Provide a brief description of the beneficiary identification method used to determine this national objective and upload supporting beneficiary maps, census data, and/or survey documents. (Recommended 200 words)

Need location data to complete

Document Type	File Name	Edit
No Document records found		

U.S. Congressional District #	Texas Representative District #	Texas Senate District #
10	12 ; 14	5

Save & Return to Intake

Environmental

Environmental

What is the current status of the project?

Not yet begun

Will the assistance requested have any negative impact(s) or effect(s) on the environment?

No

Is the proposed project likely to require an archaeological assessment?

No

Is the proposed site(s) listed on the National Register of Historic Places?

No

Is the project in a designated floodway or coastal high hazard area?

No

Is the project in a designated special flood hazard area or a designated wetland?

No

Is any project site located in a known critical habitat for endangered species?

No

Is any project site a known hazardous site?

No

Is any project site located on federal lands or at a federal installation?

No

Is any project site subject to or participating in Fixing America's Surface Transportation Act (FAST-41) (P.L. 114-94)?

No

What level of environmental review is likely needed for this project?

Categorical Exclusion

Provide any additional detail or information relevant to Environmental Review.

The ground at the parks has already been disturbed, so the City expects a Categorical Exclusion when the environmental review is complete. The expected completion date is XXXX.

Document Type	File Name	Edit
No Document records found		

Save & Return to Intake

Permits

Permits and Additional Information

Does the project require any federal, state, or other permits, approvals, or waivers to complete the proposed work?

No

Does the project require any type of ratified, legally binding agreement between the applicant and any other entity to provide continual operation upon completion?

No

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 a sewer and/or water facilities project, please choose N/A)

N/A

Save & Return to Intake

Budget Activity Lines

Budget Activity Line Items

Budget line items

Program Budget Code	CDBG-MIT Planned Amount	Other Funds	Total	Percent of Total		
Construction	$237,645.00	$0.00	$237,645.00	90.0%	✓	Edit
Engineering	$0.00	$0.00	$0.00	0.0%	✓	Edit
Grant Administration	$26,405.00	$0.00	$26,405.00	10.0%	✓	Edit
Special Environmental	$0.00	$0.00	$0.00	0.0%	✓	Edit
Environmental	$0.00	$0.00	$0.00	0.0%	✓	Edit
Acquisition	$0.00	$0.00	$0.00	0.0%	✓	Edit
Planning	$0.00	$0.00	$0.00	0.0%	✓	Edit
TOT	**$264,050.00**	**$0.00**	**$264,050.00**	**100.0%**		

Note: Only indicate a planned amount for applicable budgeted activities

Construction or public facilities budgetary information must be provided by a professional engineer or architect licensed to practice in the state of Texas using the CDBG-MIT Budget Justification of Retail Costs (formerly Table 2) form on the GLO Recovery website.

Document Type	File Name	Edit
No Document records found		

Save & Return to Intake

Mitigation

Mitigation Needs

The Disaster Impact provides the Applicant an opportunity to establish a link with a known hazard and provide a narrative as to how the community would be affected should no action be taken to mitigate against the threat.

Identify the specific risk the proposed project will mitigate against.

Describe as to how the proposed project addresses/mitigates against the current and future risks identified.

According to the EPA, across the United States, daytime temperatures in urban areas tend to be between 1-7 degrees higher than in surrounding areas, and College Station has an intensity score of 6 degrees Fahrenheit. In light of this, the City has identified tree planting as a strategy to mitigate urban heat. U.S. Geological Survey Landssat satellites were used to create the City's Surface Temperature map, which guided identification of the hottest areas (i.e. priority planting locations). Project sites were also identified based upon location and benefits to the underserved communities in which they are located.

Provide information about how the proposed mitigation efforts integrate into the community's emergency and resiliency plans.

The Environmental Protection Agency (EPA) states: "Urban heat islands" occur when cities replace natural land cover with dense concentrations of pavement, buildings, and other surfaces that absorb and retain heat. This effect increases energy costs (e.g., for air conditioning), air pollution levels, and heat-related illness and mortality.

The heat island effect essentially creates "islands" of higher temperatures in urbanized areas as compared with less developed surrounding areas. Across the U.S., daytime temperatures in urban areas tend to be about 1–7°F higher than in surrounding areas and nighttime temperatures are approximately 2–5°F higher. These differences are typically even greater for humid regions.

When developing the Cooling College Station five-year plan, the City found that The Bryan/College Station area has an average intensity score of 6°F, according to an analysis undertaken by Climate Central – this implies that temperatures in B/CS urbanized areas are an average of 6°F higher than in surrounding areas. Cities, including College Station, are exploring a myriad of strategies to mitigate urban heat and its impacts. These include more trees and vegetation, green roofs, cool roofs, cool pavements, and smart growth approaches to urban planning. College Station identified trees as a primary mitigation strategy, as they provide a wide spectrum of benefits, including: energy conservation, enhanced air quality, improved water quality, enhanced aesthetics, and increased property values.

In support of the City's Cooling College Station five-year plan, this project will contribute to the proposed 4,787 trees to be planted throughout the city. The City has funding to plant the first 117 trees through a TAMU Community Forest Grant. This project will contribute another XX trees to public spaces throughout the city and will be an integral step in mitigating heat islands and reducing the overall temperature of the city.

Please note.

In the space provided, list documentation provided to support the identification of the threat or hazard and how it relates to potential impact.

EPA Daytime Temperatures Intensity Scale
College Station Surface Temperature Map

Documents

Document Type	File Name	Edit
Scope of work information, maps, and other applicable documentation for each Local effort identified	Heat Islands Report - 202209.pdf	Edit

Provide a brief description of how the proposed project addresses an integrated approach to mitigation.
Applicants must develop their community mitigation projects in a manner that considers an integrated approach to housing, fair housing obligations, infrastructure, economic revitalization, and overall community resilience. Consideration of long-term planning processes is also highly encouraged. Hazard mitigation 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 by making it more resistant to disaster.

When the Cooling College Station five-year plan was in development, and after the temperature data had been collected and mapped, careful consideration was given to ensuring that priority planting locations were easily accessible and frequently used by historically disadvantaged communities. Historical data showed that the most vulnerable communities had been established nearest to schools and public parks and were, in many cases, surrounded by commercial land use. This pattern reflects racial segregation of the past that has manifested into cycles of generation poverty and leaves many residents vulnerable to excessive heat and the effects of climate change.

Research also indicated that due to the excessive heat near these underserved communities, there is a distinct lack of infrastructure to mitigate heat islands. Two parks that have been identified at priority planting locations (and have already received some trees) are Bee Creek Park and W.A. Tarrow Park and Wayne Smith Athletic Complex.
Bee Creek Park is located in Census Tract 604 with a population of 5,598 (White 66%, Black 7%, Asian 14%, Hispanic 10%, Other 2%) with a MHI of $29,167. According to the Council on Environmental Quality (CEQ), this CT has a higher burden for climate change, lack of greenspace, housing costs, asthma, and occurrence of particulate matter.

W. A. Tarrow Park & Wayne Smith Athletic Complex is located in CT 601 with a population of 4,493 (White 55%, Black 10%, Asian 18%, Hispanic 12%, Other 3%) with a MHI of $41,164. According to the CEQ, this CT has a higher burden for climate change, asthma, and occurrence of particulate matter. This park is located adjacent to the McCulloch neighborhood which is historically an African American neighborhood and is also home to the Lincoln Recreation Center which was originally constructed as the A&M Consolidated Negro School and is now used as a community gathering and recreation center.

The two aforementioned parks are two examples of the larger plan to integrate heat island mitigation with community revitalization. The first step in truly revitalizing the community is to identify the most intrinsic needs of vulnerable population groups. By connecting heat island mitigation to proximity to low-income neighborhoods, the City is making a concentrated effort to modernize public facilities and the built environment in way that makes it more resistant to environmental risk.

More information to be added with locations

Please note.

Considering the local evaluation of hazard risks, responsible floodplain management, future extreme weather/natural disaster events, and long-term risks, describe how the proposed project promotes sustainable community resilience.

City staff, wanting to ensure that the project was targeted and an effective mitigation strategy for College Station's heat and climate issues, sought to employ the use of technology that would provide them the most accurate information possible. The proposed project utilized state-of-the art LIDAR imaging and satellite data to develop the Cooling College Station five-year plan and heat mapping. The Estimated Surface Temperature Map was created in 2021 using United States Geological Survey Landsat satellite data. The map was created using a ratio to convert from digital numbers collected at the satellite into temperature at a spatial resolution of 60 square meters per pixel. Staff members examined heat throughout the City using different spatial perspectives and identified hot spots on the Landsat raw data heat map, then proceeded to create maps to aggregate the data by averaging the raw temperature data within each half-mile grid square or Census block. This data was then prioritized based on proximity to historically disadvantaged communities. The five-year plan will act as a guiding document for all mitigation activities dealing with heat islands and climate change. At the conclusion of the five year plan, a proposed 4,787 trees will have been planted in College Station. The proposed project is the next step. The project will provide an additional XXXX trees in XXX parks located in low/moderate income census tracts.

Describe how the proposed project is consistent with local and regional planning efforts to effect disaster mitigation.

In 2022, the City developed Cooling College Station: A Five Year Planting Plan for Urban Heat Mitigation. The plan gives an overview of the urban heat phenomenon, maps and analysis on vegetative cover and surface area temperatures and makes recommendations to plan 4,787 trees on public properties. The overarching goals of the plan are to mitigate urban heat island effects, decrease ambient temperatures, increase urban forests, positively impact health outcomes, and enhance greenspaces in underserved communities.

Was a cost-benefit analysis used in the selection of the proposed project?

No

Describe how the proposed project impacts vulnerable populations in the local community.

The project goal is to mitigate urban heat and its impact on residents, and in particular underserved communities that are historically disproportionately affected by climate change. Equity and accessibility objectives are as follows:

1. Cultivate equity. Early neighborhoods in College Station developed around parks, schools and major university entrances, often bordered by commercial land uses on major thoroughfares reflecting the racial segregation patterns of the time. The City took these historic socio-spatial trends and their impacts into consideration when developing the project to reflect the needs and desires of surrounding communities.

2. Enhance quality of life. Trees will provide shade, respite, beautification, noise reduction, and thriving wildlife habitat for residents, especially those in vulnerable communities who utilize the parks frequently.

3. Decrease heat related impacts. The project is expected to help lower the surrounding ambient temperature in parks throughout College Station. Extreme heat is the leading cause of illnesses and death, especially in vulnerable populations such as the elderly, infants, and the poor. Through shade and evapotranspiration, trees can help reduce temperatures by 2 to 9 degrees.

Describe how the proposed project creates economic opportunities for the local community.

By mitigating heat islands with the ultimate goal of reducing heat throughout College Station by several degrees, the City is investing in the health and wellbeing of citizens. When people are not experiencing the negative health outcomes associated with extreme heat, they are more likely to participate in their local economy and are not as financially hindered. Likewise, communities that invest in the wellbeing of their citizens are more appealing for economic development and will attract a larger array of both new and continued business.

Does this project disproportionately impact vulnerable populations in the local community?

Yes

If yes, explain in a text box.

While College Station has made considerable strides in creating a more equitable community for all residents, the repercussions of racial segregation and socio-economic disparities can still be felt in the most vulnerable areas of the community. Because vulnerable communities tend to be located closest to places like parks, schools and similar places, the Cooling College Station five-year plan took this into account when identifying priority planting locations. Likewise, it is those who are socioeconomically disadvantaged who historically utilize public spaces the most. It is these same individuals who are the most susceptible to negative health outcomes related to excessive heat and who have the scarcest resources available to combat the effects of climate change. By ensuring that the first areas to receive heat island mitigation are the areas most likely to benefit vulnerable populations, the City is making targeted efforts to provide equity to all residents.

Does the proposed project align with investments from other state or local capital improvements and infrastructure development efforts?

Yes

If yes, provide a description of how the proposed project does so. Additionally, identify sources and amounts of additional infrastructure funding (state and local capital improvements projects and/or private investments.)

The City received $46,302.50 from a TAMU grant to plant 117 trees at two parks. The City invested a 50/50 match into the project using general funds.

Does the proposed project employ adaptable and reliable technology to guard against premature obsolescence?

No

Describe the applicant's overall mitigation plan and how the project addressed in this application furthers that plan.

The Cooling College Station five-year plans calls for planting 4,787 trees. In March 2023, the City was awarded TAMU funding to plant 117 trees at two public parks. This project acts as phase two in a multi-phase project, which will eventually include residential tree planting as well. The mitigation plan also calls for increased public awareness. Although not part of the funding request for this application, the City will continue distributing materials at outreach events to inform the public about the anticipated benefits of tree planting to the community and environment, as well as increase public awareness of heat island mitigation efforts. This will likely increase public participation in tree planting events, including a proposed residential tree planting program in the future. One of the fundamental goals of the mitigation plan is to increase civic pride as residents work together to address local environmental issues. This shared sense of ownership will help maintain the project as the City works through the five-year mitigation plan, and will be instrumental in sustaining the project in the future.

Describe how the proposed project will contribute to the community's resiliency against future disasters as a result of these projects.

The anticipated project outcomes will extend far beyond the life of the project. The project is part of a larger roadmap to provide long-term solutions to address heat island effects, climate change and urban forest health with an equity and accessibility lens focused on the needs of all City residents. The proposed project is one phase within a larger project that will plant trees at key locations throughout the city with the overarching goal of reducing the city's overall urban temperature by several degrees.

Save & Return to Intake

CDBG-MIT Attachments

Section 1: General Attachments

- 1.1 Sam.gov Registration
- 1.2 Applicant Certification Form
- 1.3 Most Recent Financial Statement/Audit
- 1.4 SF424
- 1.5 Fair Housing Analysis
- 1.6 Local Procurement Policies
- 1.7 ACS 5-Year Estimate
- 1.8 Affidavit of Publication
- 1.9 Notice of Public Hearing
- 1.10 Newspaper Notice
- 1.11 Signed Resolution
- 1.12 Citizen Participation Plan

Section 2: Early Warning System Attachments

- 2.1 Latitude/Longitude Map
- 2.2 ACS 5-Year Table
- 2.3 Race/Ethnicity Calculator
- 2.4 LMISD Table
- 2.5 Detailed Budget Form
- 2.6 FEMA Flood Map
- 2.7 Early Warning System Possible Locations
- 2.8 Detailed Quote

Section 3: Generator

- 3.1 Latitude/Longitude Map
- 3.2 Race/Ethnicity Calculator
- 3.3 LMISD Table
- 3.4 Detailed Budget Form
- 3.5 Emergency Management Plan
- 3.6 Heat Island Map
- 3.7 Transit Map

Section 4: Cooling College Station Tree Planting

- 4.1 Latitude/Longitude Map
- 4.2 Race/Ethnicity Calculator
- 4.3 LMISD Table
- 4.4 Cooling College Station 5-Year Plan

80% DRAFT

Entity Workspace Results 1 Total Results

City Of College Station

Unique Entity ID: FYUCEXMLCQH7

CAGE/NCAGE: 5JGB9

Entity Status: Active Registration

Doing Business As:

Physical Address:
1101 Texas Ave
College Station , TX
77840 USA

Expiration Date:
Dec 22, 2023

Purpose of Registration:
All Awards

Texas General Land Office
Community Development and Revitalization Division
Mitigation – Local Certifications

Each Applicant for Community Development Block Grant Mitigation ("CDBG-MIT") funding must complete Federal Assistance Standard Form 424 (SF-424) and certify that local certifications included in this application guide were followed in the preparation of any CDBG-MIT program application. Additionally, Applicant must certify that it will continue to follow local certifications in the event that funding is awarded and Applicant is reclassified as a Subrecipient.

Each Applicant/Subrecipient 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 Texas General Land Office policy directives.

Each Applicant/Subrecipient must comply with all applicable federal and state laws, including environmental, labor (Davis-Bacon Act), the procurement procedures and contract requirements found at 2 C.F.R. §200.318 – §200.326, and all civil rights requirements.

Each Applicant/Subrecipient certifies, as outlined in 84 FR 45838 (August 30,2019), the following:

A. The Applicant/Subrecipient certifies that it has in effect and if following a residential anti-displacement and relocation assistance plan in connection with any activity assisted with CDBG-MIT funds.

B. The Applicant/Subrecipient certifies its compliance with restrictions on lobbying as required by 24 C.F.R. part 87, together with disclosure forms, if required by part 87.

C. Any entity or entities designated by the subrecipient, and any contractor, subrecipient, or designated public agency carrying out an activity with CDBG-MIT funds, possess(es) the legal authority to carry out the program for which it is seeking funding, in accordance with applicable HUD regulations and the federal register notice. The subrecipient certifies that activities to be undertaken with CDBG-MIT funds are consistent with the Action Plan.

D. The Applicant/Subrecipient certifies that it will comply with the acquisition and relocation requirements of the Uniform Relocation Act (“URA”), as amended, and implementing regulations at 49 CFR part 24, except where waivers or alternative requirements are provided for CDBG-MIT funds.

E. The Applicant/Subrecipient certifies that 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 C.F.R. part 135.

Placeholder
Attachment 1.3:
Most Recent Financial Statement

F. The Applicant/Subrecipient certifies that it is following a detailed citizen participation plan that satisfies the requirements of 24 CFR §91.115 or §91.105 (except as provided for in notices providing waivers and alternative requirements for this grant). Also, each local government 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).

G. The Applicant/Subrecipient certifies that it is complying with each of the following criteria:

1) Funds will be used solely for necessary expenses related to mitigation activities, as applicable, in the most impacted and distressed areas for which the President declared a major disaster in 2015, 2016, or 2017 pursuant to the Robert T. Stafford Disaster Relief and Emergency Assistance Act of 1974 (42 U.S.C. §5121 et seq.).

2) With respect to activities expected to be assisted with CDBG-MIT funds, the relevant action plan has been developed to give priority to activities that will benefit low- and moderate-income families.

3) The aggregate use of CDBG-MIT funds shall principally benefit low- and moderate-income families in a manner that ensures that at least 50 percent (or another percentage permitted by HUD in a waiver published in an applicable Federal Register notice) of the CDBG-MIT grant amount is expended for activities that benefit such persons.

4) The Applicant/Subrecipient will not attempt to recover any capital costs of public improvements assisted with CDBG-MIT funds by assessing any amount against properties owned and occupied by persons of low- and moderate-income, including any fee charged or assessment made as a condition of obtaining access to such public improvements, unless:

i. CDBG-MIT funds are used to pay the proportion of such fee or assessment that relates to the capital costs of such public improvements that are financed from revenue sources other than under this title; or

ii. For purposes of assessing any amount against properties owned and occupied by persons of moderate income, the grantee certifies to the Secretary that it lacks sufficient CDBG funds (in any form) to comply with the requirements of clause (a).

H. The Applicant/Subrecipient certifies that the grant will be conducted and administered in conformity with title VI of the Civil Rights Act of 1964 (42 U.S.C. §2000d), the Fair Housing Act (42 U.S.C. §3601-§3619), and implementing regulations, and that it will affirmatively further fair housing.

I. The Applicant/Subrecipient certifies that it has adopted and is enforcing the following policies, and, in addition, must certify that they will require local governments that receive grant funds to certify that they have adopted and are enforcing:

1) A policy prohibiting the use of excessive force by law enforcement agencies within its jurisdiction against any individuals engaged in nonviolent civil rights demonstrations;

2) 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.

J. The Applicant/Subrecipient certifies that it (and any administering entity) currently has or will develop and maintain the capacity to carry out mitigation activities, as applicable, in a timely manner and that the subrecipient has reviewed the respective requirements of this notice.

K. The Applicant/Subrecipient certifies that it will not use CDBG-MIT 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 (or 100-year floodplain) 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 C.F.R. 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.

L. The Applicant/Subrecipient certifies that its activities concerning lead-based paint will comply with the requirements of 24 CFR part 35, subparts A, B, I, K, and R.

M. The Applicant/Subrecipient certifies that it will comply with environmental requirements at 24 CFR part 58.

N. The Applicant/Subrecipient certifies that it will comply with applicable laws.

WARNING: ANY PERSON WHO KNOWLINGLY MAKES A FALSE CLAIM OR STATEMENT TO HUD MAY BE SUBJECT TO CIVIL OR CRIMINAL PENALTIES UNDER 18 U.S.C. §287; 18 U.S.C. §1001, AND 31 U.S.C. § 3729.

Except as otherwise provided under federal law, any person who knowingly and willfully falsifies, conceals, or covers up a material fact by any trick, scheme or device or who makes any materially false, fictitious, or fraudulent statement or representation or who makes or uses any false writing or document knowing the writing or document to contain materially false, fictitious, or fraudulent statement or entry shall be prosecuted under Title 18, United States Code, §1001.

_____ _____

Printed Name of Authorized Signatory *Date*

_____

Signature of Authorized Signatory

OMB Number: 4040-0004
Expiration Date: 12/31/2022

Application for Federal Assistance SF-424

* 1. Type of Submission:
- [ ] Preapplication
- [x] Application
- [ ] Changed/Corrected Application

* 2. Type of Application:
- [x] New
- [ ] Continuation
- [ ] Revision

* If Revision, select appropriate letter(s):

* Other (Specify):

* 3. Date Received: 03/28/2023

4. Applicant Identifier:

5a. Federal Entity Identifier:

5b. Federal Award Identifier:

State Use Only:

6. Date Received by State:

7. State Application Identifier:

8. APPLICANT INFORMATION:

* a. Legal Name: City of College Station, TX

* b. Employer/Taxpayer Identification Number (EIN/TIN): 746000534

* c. UEI: FYUCEXMLCQH7

d. Address:

* Street1: 1101 Texas Ave.
Street2:
* City: College Station
County/Parish:
* State: TX: Texas
Province:
* Country: USA: UNITED STATES
* Zip / Postal Code: 77842-2433

e. Organizational Unit:

Department Name: Community Development

Division Name:

f. Name and contact information of person to be contacted on matters involving this application:

Prefix: Ms.
* First Name: Debbie
Middle Name:
* Last Name: Eller
Suffix:

Title: Director of Community Development

Organizational Affiliation: City of College Station, TX

* Telephone Number: 979-764-3771
Fax Number:

* Email: deller@cstx.gov

Application for Federal Assistance SF-424

*** 9. Type of Applicant 1: Select Applicant Type:**

C: City or Township Government

Type of Applicant 2: Select Applicant Type:

Type of Applicant 3: Select Applicant Type:

* Other (specify):

*** 10. Name of Federal Agency:**

United States Department of Housing and Urban Development

11. Catalog of Federal Domestic Assistance Number:

CFDA Title:

*** 12. Funding Opportunity Number:**

N/A

* Title:

Texas CDBG-MIT Regional Mitigation Program

13. Competition Identification Number:

Title:

14. Areas Affected by Project (Cities, Counties, States, etc.):

Add Attachment | Delete Attachment | View Attachment

*** 15. Descriptive Title of Applicant's Project:**

Three Mitigation Projects for College Station, TX

Attach supporting documents as specified in agency instructions.

Add Attachments | Delete Attachments | View Attachments

Application for Federal Assistance SF-424

16. Congressional Districts Of:

* a. Applicant: TX-10 | * b. Program/Project: TX-10

Attach an additional list of Program/Project Congressional Districts if needed.

Add Attachment | Delete Attachment | View Attachment

17. Proposed Project:

* a. Start Date: 05/01/2023 | * b. End Date: 12/31/2023

18. Estimated Funding ($):

* a. Federal	
* b. Applicant	
* c. State	500,000.00
* d. Local	
* e. Other	
* f. Program Income	
* g. TOTAL	500,000.00

*** 19. Is Application Subject to Review By State Under Executive Order 12372 Process?**

☐ a. This application was made available to the State under the Executive Order 12372 Process for review on .

☐ b. Program is subject to E.O. 12372 but has not been selected by the State for review.

☒ c. Program is not covered by E.O. 12372.

*** 20. Is the Applicant Delinquent On Any Federal Debt? (If "Yes," provide explanation in attachment.)**

☐ Yes ☒ No

If "Yes", provide explanation and attach

Add Attachment | Delete Attachment | View Attachment

21. *By signing this application, I certify (1) to the statements contained in the list of certifications and (2) that the statements herein are true, complete and accurate to the best of my knowledge. I also provide the required assurances** and agree to comply with any resulting terms if I accept an award. I am aware that any false, fictitious, or fraudulent statements or claims may subject me to criminal, civil, or administrative penalties. (U.S. Code, Title 218, Section 1001)**

☒ ** I AGREE

** The list of certifications and assurances, or an internet site where you may obtain this list, is contained in the announcement or agency specific instructions.

Authorized Representative:

Prefix: Mr. | * First Name: Bryan

Middle Name:

* Last Name: Woods

Suffix:

* Title: City Manager

* Telephone Number: 979-764-3510 | Fax Number:

* Email: cmo@cstx.gov

* Signature of Authorized Representative: | * Date Signed:

Placeholder
Attachment 1.5: Fair Housing Analysis

Placeholder
Attachment 1.6: Procurement Policies

	College Station city, Texas			
Label	**Estimate**	**Margin of Error**	**Percent**	**Percent Margin of Error**
SEX AND AGE				
Total population	120,032	±50	120,032	(X)
Male	61,402	±2,339	51.2%	±1.9
Female	58,630	±2,340	48.8%	±1.9
Sex ratio (males per 100 females)	104.7	±8.1	(X)	(X)
Under 5 years	6,575	±1,354	5.5%	±1.1
5 to 9 years	7,422	±1,673	6.2%	±1.4
10 to 14 years	5,067	±1,334	4.2%	±1.1
15 to 19 years	17,125	±1,640	14.3%	±1.4
20 to 24 years	30,492	±2,508	25.4%	±2.1
25 to 34 years	17,439	±1,922	14.5%	±1.6
35 to 44 years	11,726	±1,828	9.8%	±1.5
45 to 54 years	8,345	±1,806	7.0%	±1.5
55 to 59 years	3,363	±937	2.8%	±0.8
60 to 64 years	4,408	±969	3.7%	±0.8
65 to 74 years	5,617	±1,316	4.7%	±1.1
75 to 84 years	2,071	±624	1.7%	±0.5
85 years and over	382	±297	0.3%	±0.2
Median age (years)	22.9	±0.5	(X)	(X)
Under 18 years	23,125	±2,188	19.3%	±1.8
16 years and over	99,251	±2,028	82.7%	±1.7
18 years and over	96,907	±2,185	80.7%	±1.8
21 years and over	75,125	±3,190	62.6%	±2.7
62 years and over	10,730	±1,783	8.9%	±1.5
65 years and over	8,070	±1,496	6.7%	±1.2
18 years and over	96,907	±2,185	96,907	(X)
Male	49,664	±2,377	51.2%	±1.9
Female	47,243	±1,959	48.8%	±1.9

	College Station city, Texas			
Label	**Estimate**	**Margin of Error**	**Percent**	**Percent Margin of Error**
Sex ratio (males per 100 females)	105.1	±8.1	(X)	(X)
65 years and over	8,070	±1,496	8,070	(X)
Male	4,307	±873	53.4%	±5.6
Female	3,763	±866	46.6%	±5.6
Sex ratio (males per 100 females)	114.5	±25.8	(X)	(X)
RACE				
Total population	120,032	±50	120,032	(X)
One race	107,793	±2,873	89.8%	±2.4
Two or more races	12,239	±2,871	10.2%	±2.4
One race	107,793	±2,873	89.8%	±2.4
White	81,820	±3,215	68.2%	±2.7
Black or African American	9,685	±2,627	8.1%	±2.2
American Indian and Alaska Native	674	±616	0.6%	±0.5
Cherokee tribal grouping	N	N	N	N
Chippewa tribal grouping	N	N	N	N
Navajo tribal grouping	N	N	N	N
Sioux tribal grouping	N	N	N	N
Asian	10,646	±1,431	8.9%	±1.2
Asian Indian	2,817	±1,545	2.3%	±1.3
Chinese	3,120	±1,492	2.6%	±1.2
Filipino	554	±429	0.5%	±0.4
Japanese	0	±249	0.0%	±0.2
Korean	1,035	±919	0.9%	±0.8
Vietnamese	399	±383	0.3%	±0.3
Other Asian	2,721	±2,021	2.3%	±1.7
Native Hawaiian and Other Pacific Islander	460	±448	0.4%	±0.4

	College Station city, Texas			
Label	**Estimate**	**Margin of Error**	**Percent**	**Percent Margin of Error**
Native Hawaiian	N	N	N	N
Chamorro	N	N	N	N
Samoan	N	N	N	N
Other Pacific Islander	N	N	N	N
Some other race	4,508	±2,035	3.8%	±1.7
Two or more races	12,239	±2,871	10.2%	±2.4
White and Black or African American	235	±263	0.2%	±0.2
White and American Indian and Alaska Native	775	±313	0.6%	±0.3
White and Asian	854	±648	0.7%	±0.5
Black or African American and American Indian and Alaska Native	424	±674	0.4%	±0.6
Race alone or in combination with one or more other races				
Total population	120,032	±50	120,032	(X)
White	92,818	±3,041	77.3%	±2.5
Black or African American	10,593	±2,755	8.8%	±2.3
American Indian and Alaska Native	2,784	±1,148	2.3%	±1.0
Asian	12,111	±1,364	10.1%	±1.1
Native Hawaiian and Other Pacific Islander	509	±458	0.4%	±0.4
Some other race	14,026	±3,444	11.7%	±2.9
HISPANIC OR LATINO AND RACE				
Total population	120,032	±50	120,032	(X)
Hispanic or Latino (of any race)	21,054	±3,518	17.5%	±2.9
Mexican	16,109	±3,547	13.4%	±3.0

	College Station city, Texas			
Label	**Estimate**	**Margin of Error**	**Percent**	**Percent Margin of Error**
Puerto Rican	453	±476	0.4%	±0.4
Cuban	157	±242	0.1%	±0.2
Other Hispanic or Latino	4,335	±2,003	3.6%	±1.7
Not Hispanic or Latino	98,978	±3,522	82.5%	±2.9
White alone	75,403	±3,408	62.8%	±2.8
Black or African American alone	9,051	±2,660	7.5%	±2.2
American Indian and Alaska Native alone	117	±120	0.1%	±0.1
Asian alone	10,646	±1,431	8.9%	±1.2
Native Hawaiian and Other Pacific Islander alone	460	±448	0.4%	±0.4
Some other race alone	84	±138	0.1%	±0.1
Two or more races	3,217	±1,100	2.7%	±0.9
Two races including Some other race	510	±312	0.4%	±0.3
Two races excluding Some other race, and Three or more races	2,707	±1,045	2.3%	±0.9
Total housing units	48,960	±2,613	(X)	(X)
CITIZEN, VOTING AGE POPULATION				
Citizen, 18 and over population	88,612	±2,404	88,612	(X)
Male	44,652	±2,385	50.4%	±2.1
Female	43,960	±1,964	49.6%	±2.1

Placeholder
Attachment 1.8: Affidavit of Publication

NOTICE OF PUBLIC HEARING

The City of College Station City Council will hold a public hearing to consider adopting the draft Community Development Block Grant – Regional Mitigation Program Plan for the City of College Station to received $500,000.00 from the Texas General Land Office through the Brazos Valley Council of Governments Method of Distribution.

The proposed projects include:
Installation of a Generator in the Lincoln Recreation Center: $145,200;
Flood Warning System at 2 – 3 locations: $90,750;
Acquisition of 137 Southland located in a floodplain: $75,500;
Cooling College Station Plan implementation expenses: $188,550.

The hearing will be held in the Council Chambers of the College Station City Hall, 1101 Texas Avenue at the 6:00 p.m. meeting of the City Council on Thursday, April 13, 2023.

In the event that the City Council meetings are to be conducted via virtual platform, instructions to access the meeting, speaker protocol, and an electronic copy the agenda packet will be available 72 hours prior to the hearing at www.cstx.gov/publicmeetinginstructions. Members of the public are entitled to participate and address the governmental body during any telephonic or videoconference meeting.

The draft plan can be viewed at:

https://www.cstx.gov/departments___city_hall/commserv/development/publications

For additional information, please contact Debbie Eller, Project Manager, at 979.764.3771.

Any request for sign interpretive services for the hearing impaired must be made 48 hours before the meeting. To make arrangement call 979.764.3541 or (TDD) 1.800.735.2989.

NOTICE OF PUBLIC HEARING

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3-30-23

RESOLUTION NO. 10-13-22-8.14

A RESOLUTION OF THE CITY OF COLLEGE STATION, TEXAS, APPROVING THE ACCEPTANCE OF COMMUNITY DEVELOPMENT BLOCK GRANT MITIGATION FUNDS FROM THE GENERAL LAND OFFICE THROUGH THE BRAZOS VALLEY COUNCIL OF GOVERNMENTS REGIONAL MITIGATION PROGRAM.

WHEREAS, the Texas General Land Office (GLO) allocated $25,041,000 to the Brazos Valley Region as part of the Regional Mitigation Program; and

WHEREAS, the Brazos Valley Council of Governments (BVCOG) has been tasked with developing the method by which the funds will be distributed, also known as a Method of Distribution (MOD), under the State of Texas Community Development Block Grant Mitigation Action Plan, as amended; and

WHEREAS, the City of College Station, Texas, is included as a potential recipient of funding in the minimum amount of $500,000, pending approval by the BVCOG Board of Directors and final approval by the GLO; and

WHEREAS, CDBG-MIT funds are required to reach a threshold tied to benefitting low- and moderate-income (LMI) persons and 100% of funds should be used for projects that benefit LMI persons in College Station; now, therefore:

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF COLLEGE STATION, TEXAS:

PART 1: That the City Council hereby accepts the Community Development Block Grant Mitigation funds in the minimum amount of $500,000;

PART 2: That the City Council hereby authorizes and designates the City Manager or his designee to sign all required applications, certifications, evaluations, and other forms required by GLO or BVCOG on behalf of the City of College Station.

PART 3: That this resolution shall take effect immediately from and after its passage.

ADOPTED this 13th day of October, 2022.

ATTEST:

Tanya Smith

City Secretary

APPROVED:

Karl Mooney

Mayor

APPROVED:

City Attorney

Placeholder
Attachment 1.12: Citizen Participation Plan

Placeholder
Attachment 2.1: Latitude/Longitude Map
Early Warning System

INSTRUCTIONS AND DATA SOURCE

Data Source: Most Recent ACS 5-year Est. - Table DP05

City Applicants: Enter city-wide data as reflected on Table DP05

County Applicants: Enter census tract data as reflected on Table DP05

APPLICANT:	College Station, TX
Sex and Age	**ENTER DP05 DATA HERE**
Male:	61,402
Female:	58630
One Race	
White:	81820
Black or African American:	9685
American Indian and Alaska Native:	674
Asian:	10646
Native Hawaiian and Other Pacific Islander:	460
Some Other Race:	4508
Two or more races:	12239
-White and Black or African American:	235
-White and American Indian and Alaska Native:	775
-White and Asian:	854
-Black or African American and American Indian and Alaska Native:	424
Hispanic or Latino and Race	
Hispanic or Latino (of any race):	21054
Not Hispanic or Latino:	98978
-White alone:	75403
-Black or African American alone:	9051
-American Indian and Alaska Native alone:	117
-Asian alone:	10646
-Native Hawaiian and Other Pacific Islander alone:	460
-Some other race alone:	84
-Two or more races:	3217
Enter Number of Project Beneficiaries:	23268
Gender of Project Beneficiaries	
Male	11903
Female	11365

Race and Ethnicity of Project Beneficiaries	**Hispanic**	**Non-Hispanic**
White	1242	14616
Black/African American	123	1755
American Indian/Alaska Native	108	23
Asian	0	2064
Native Hawaiian/Other Pacific Islander	0	89
Some Other Race	858	16
White and Black/African American	34	12
White and American Indian/Alaska Native	111	40
White and Asian	122	43
Black/African American and American Indian/Alaska Native	61	22
Other multi racial	1422	507
Total:	**23268**	

STATEFP	COUNTYFP	TRACTCE	BLKGRPCE	GEOID	NAMELSAD	COG_LONG	COG_SHOR	CDBG_MIT	FL_2015	FL_2016	HV_2017	STFL_2018	DIS_2019	COUNTY	GEOID	GEONAME	COUNTY_N	QUALIFY_F	LMI Percen	LMI Popula	LMI Universe
48	41	1303	1	4.80E+11	Block Grou	Brazos Vall	BVCOG	State MID	N/A	State MID	N/A	N/A	N/A	41	15000US48	Block Grou	Brazos Cou	YES	42.59	598	1404
48	41	1303	4	4.80E+11	Block Grou	Brazos Vall	BVCOG	State MID	N/A	State MID	N/A	N/A	N/A	41	15000US48	Block Grou	Brazos Cou	YES	86.34	999	1157
48	41	1601	1	4.80E+11	Block Grou	Brazos Vall	BVCOG	State MID	N/A	State MID	N/A	N/A	N/A	41	15000US48	Block Grou	Brazos Cou	YES	76.46	1445	1890
48	41	1601	2	4.80E+11	Block Grou	Brazos Vall	BVCOG	State MID	N/A	State MID	N/A	N/A	N/A	41	15000US48	Block Grou	Brazos Cou	YES	98.62	785	796
48	41	1601	3	4.80E+11	Block Grou	Brazos Vall	BVCOG	State MID	N/A	State MID	N/A	N/A	N/A	41	15000US48	Block Grou	Brazos Cou	YES	57.68	1044	1810
48	41	1604	1	4.80E+11	Block Grou	Brazos Vall	BVCOG	State MID	N/A	State MID	N/A	N/A	N/A	41	15000US48	Block Grou	Brazos Cou	YES	73.9	1940	2625
48	41	1605	1	4.80E+11	Block Grou	Brazos Vall	BVCOG	State MID	N/A	State MID	N/A	N/A	N/A	41	15000US48	Block Grou	Brazos Cou	YES	62.36	1206	1934
48	41	1605	2	4.80E+11	Block Grou	Brazos Vall	BVCOG	State MID	N/A	State MID	N/A	N/A	N/A	41	15000US48	Block Grou	Brazos Cou	YES	69.25	1491	2153
48	41	1606	1	4.80E+11	Block Grou	Brazos Vall	BVCOG	State MID	N/A	State MID	N/A	N/A	N/A	41	15000US48	Block Grou	Brazos Cou	YES	65.16	808	1240
48	41	1606	2	4.80E+11	Block Grou	Brazos Vall	BVCOG	State MID	N/A	State MID	N/A	N/A	N/A	41	15000US48	Block Grou	Brazos Cou	YES	76.54	1687	2204
48	41	1701	1	4.80E+11	Block Grou	Brazos Vall	BVCOG	State MID	N/A	State MID	N/A	N/A	N/A	41	15000US48	Block Grou	Brazos Cou	YES	70.18	1737	2475
48	41	1701	2	4.80E+11	Block Grou	Brazos Vall	BVCOG	State MID	N/A	State MID	N/A	N/A	N/A	41	15000US48	Block Grou	Brazos Cou	YES	71.86	945	1315
48	41	1701	3	4.80E+11	Block Grou	Brazos Vall	BVCOG	State MID	N/A	State MID	N/A	N/A	N/A	41	15000US48	Block Grou	Brazos Cou	YES	64.33	1457	2265
																				16142	23268

CDBG-MIT: Budget Justification of Retail Costs
(Former Table 2)

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.

Applicant/Subrecipient:	City of College Station
Site/Activity Title:	Early Flood Warning System
Eligible Activity:	Flood/Drainage Facilities

Materials/Facilities/Services	$/Unit	Unit	Quantity	Construction	Acquisition	Total
Engineering Consulting Services - Installing Flood Warning System	$ 44,994.35	EA	1	$ 44,994.35	$ -	$ 44,994.35
Hardware for gauge pole setups, sensors, and flasher beacons	$ 31,830.65	EA	1	$ 31,830.65	$ -	$ 31,830.65
	$ -		0	$ -	$ -	$ -
	$ -		0	$ -	$ -	$ -
	$ -		0	$ -	$ -	$ -
	$ -		0	$ -	$ -	$ -
	$ -		0	$ -	$ -	$ -
	$ -		0	$ -	$ -	$ -
	$ -		0	$ -	$ -	$ -
	$ -		0	$ -	$ -	$ -
	$ -		0	$ -	$ -	$ -
	$ -		0	$ -	$ -	$ -
	$ -		0	$ -	$ -	$ -
	$ -		0	$ -	$ -	$ -
	$ -		0	$ -	$ -	$ -
	$ -		0	$ -	$ -	$ -
	$ -		0	$ -	$ -	$ -
	$ -		0	$ -	$ -	$ -
	$ -		0	$ -	$ -	$ -
	$ -		0	$ -	$ -	$ -
TOTAL	$ 76,825.00			$ 76,825.00	$ -	$ 76,825.00

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

There is an $8,175 cost associated with annual software licensing; cloud-based hosting services that can accommodate up to three roadway gauge site locations. College Station will also provide routine operations and maintenance for installed gauge and flasher beacons at an estimated annual amount of XXXX.

2. Identify and explain any special engineering activities.

Engineering activities associated with the project include on-call flood watch monitoring services during rainfall events for up to three (3) rainfall events, for an assumed eight (8) hour period per eent. This includes remote gauge network monitoring and communicaation operations support.

Date:	
Phone Number:	

Seal

Signature of Registered Engineer/Architect Responsible For Budget Justification:

96°18'44.17"W 30°33'31.87"N

FLOOD HAZARD INFORMATION

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR DRAFT FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee See Notes *Zone X*
- Area with Flood Risk due to Levee *Zone D*

OTHER AREAS
- NO SCREEN Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 Cross Sections with 1% Annual Chance
- 17.5 Water Surface Elevation
- Coastal Transect
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature
- 513 Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary

NOTES TO USERS

For information and questions about this Flood Insurance Rate Map (FIRM), available products associated with this FIRM, including historic versions, the current map date for each FIRM panel, how to order products, or the National Flood Insurance Program (NFIP) in general, please call the FEMA Map Information eXchange at 1-877-FEMA-MAP (1-877-336-2627) or visit the FEMA Flood Map Service Center website at https://msc.fema.gov. Available products may include previously issued Letters of Map Change, a Flood Insurance Study Report, and/or digital versions of this map. Many of these products can be ordered or obtained directly from the website.

Communities annexing land on adjacent FIRM panels must obtain a current copy of the adjacent panel as well as the current FIRM Index. These may be ordered directly from the Flood Map Service Center at the number listed above.

For community and countywide map dates, refer to the Flood Insurance Study Report for this jurisdiction.

To determine if flood insurance is available in this community, contact your Insurance agent or call the National Flood Insurance Program at 1-800-638-6620.

Basemap information shown on this FIRM was provided in digital format by the United States Geological Survey (USGS). The basemap shown is the USGS National Map: Orthoimagery. Last refreshed October, 2020.

This map was exported from FEMA's National Flood Hazard Layer (NFHL) on **4/4/2023 10:30 PM** and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time. For additional information, please see the Flood Hazard Mapping Updates Overview Fact Sheet at https://www.fema.gov/media-library/assets/documents/118418

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards. This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date.

SCALE

Map Projection:
GCS, Geodetic Reference System 1980;
Vertical Datum: NAVD88
For information about the specific vertical datum for elevation features, datum conversions, or vertical monuments used to create this map, please see the Flood Insurance Study (FIS) Report for your community at https://msc.fema.gov

N

1 inch = 1,000 feet 1:12,000

0 500 1,000 2,000 3,000 4,000 Feet

0 105 210 420 630 840 Meters

NATIONAL FLOOD INSURANCE PROGRAM

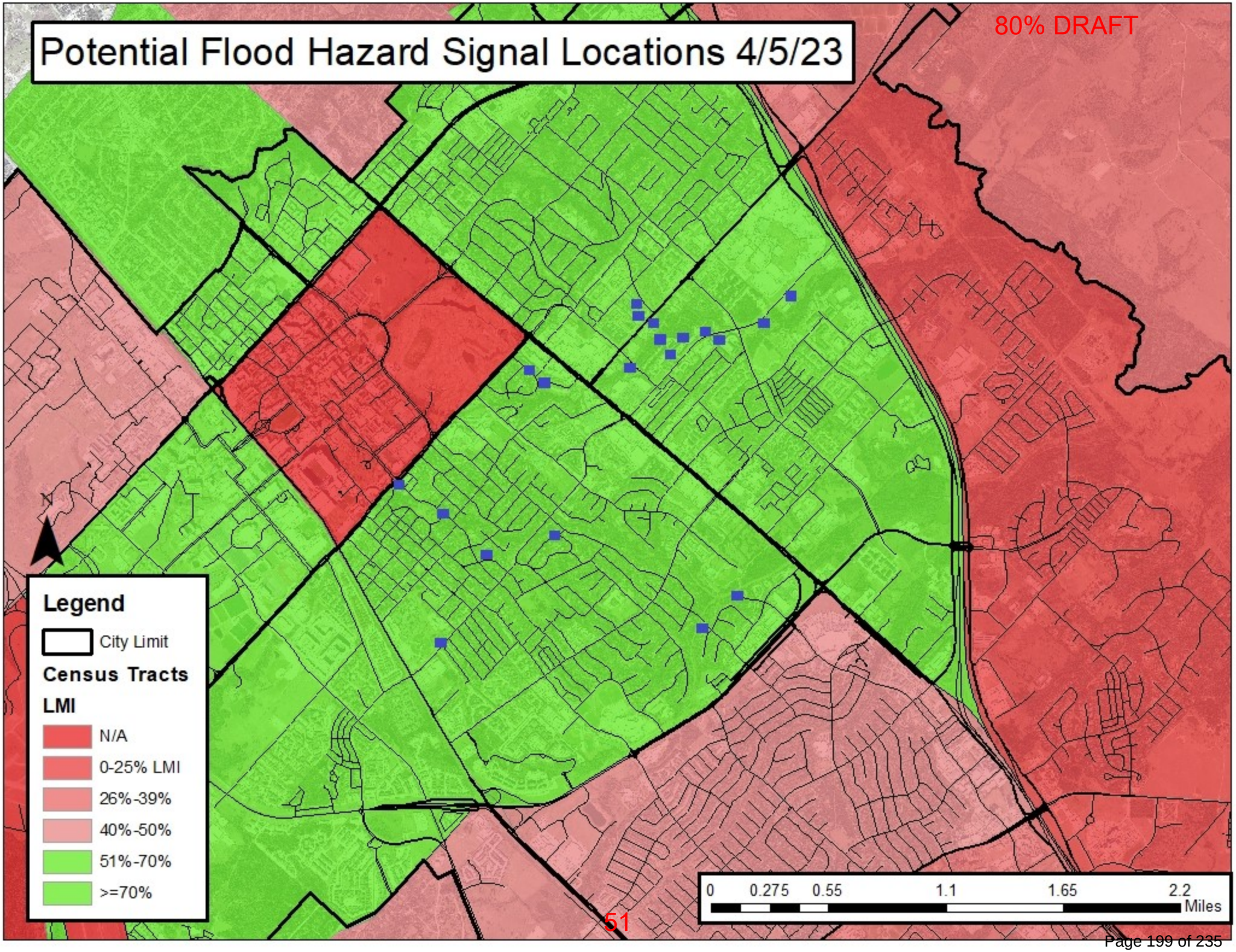
FLOOD INSURANCE RATE MAP

PANEL **305** OF **475**

Panel Contains:

COMMUNITY	NUMBER	PANEL
CITY OF BRYAN	480082	0305
CITY OF COLLEGE STATION	480083	0305
BRAZOS COUNTY	481195	0305

MAP NUMBER
48041C0305F
EFFECTIVE DATE
April 02, 2014


Potential Flood Hazard Signal Locations 4/5/23
80% DRAFT
Legend
City Limit
Census Tracts
LMI
N/A
0-25% LMI
26%-39%
40%-50%
51%-70%
>=70%
0
0.275
0.55
1.1
1.65
2.2
Miles
51

TORRES
& ASSOCIATES, LLC
ENGINEERS | SCIENTISTS | PROFESSIONALS

April 3rd, 2023

Carol Cotter, PE, CFM
City Engineer
City of College Station
PO Box 9960 | 1101 Texas Avenue
College Station, Texas 77842

Reference: **Professional Services – City of College Station Flood Early Warning System Pilot Project ("C-FEWS")**

Dear Mrs. Cotter,

Torres & Associates, LLC ("Torres") is pleased to submit this proposal to the City of College Station ("College Station") to support in providing a flood early warning system ("C-FEWS") pilot project in College Station. The following describes related tasks for conducting the effort for C-FEWS.

1. Initial Project Activities – Torres will perform the following project initiation tasks as described for initiating the project.

    a. *Project Initiation & Data Collection*. Prepare and attend initial kickoff meeting with College Station, review historical flooding data for roadway, coordinate with College Station on planned capital improvement projects near planned gauge crossings to inform control box and sensor placement.

    b. *Field Reconnaissance & Measurement*. Up to three (3) high flood risk roadway crossings will be evaluated for flood monitoring. Torres will gather topographic information to determine general ponding depths for triggering flood warning alerts. This data will be used to inform sensor height placement and benchmark critical water levels for basing levels of flood criticality.

    c. *Cellular Network Connectivity* Torres will conduct general cellular signal connectivity and signal strength testing.

2. Hardware Configuration – The following sub-tasks can be provided by Torres for initial hardware configuration on a per roadway crossing basis for up to three (3) crossings.
    - *Gauge Installation Inspections*
    - *Control Box Wiring*
    - *Communication Testing*
    - *Post-Event Quality Control*

3. Hardware and Equipment Costs – The cost of the hardware is based on the latest quotes provided by various vendors. The quotes include the cost of the gauge pole sensor hub, flasher pole hub, gauge pole equipment, flasher pole equipment, rain buckets, and pressure transducer. The quotes are provided in Exhibit C-F.

4. Software Licensing (Annual) – A fixed rate annual software licensing fee is set in the amount of $8,175 for cloud-based hosting services managed by the Torres that can accommodate up to 3 roadway gauge site locations.

5. Training Workshop – Torres can support College Station in preparing a half day training workshop with College Station's emergency responders as well as providing an overview with College Station's maintenance technicians on handling inspection work orders.

6. Flood Watch & Routine Monitoring – Torres can provide on-call flood watch monitoring services during rainfall events for up to three (3) rainfall events, for an assumed eight (8) hour period per storm event. This includes remote gauge network monitoring and communication operations support with College Station personnel.

7. Documentation & Reporting – Torres can support College Station in drafting a brief project technical memorandum that summarizes the projects planning, construction, and performance activities, as well as suggested maintenance scheduling. Torres can revise the project report for up to one (1) round of review comments from College Station.

8. Meetings – Torres will meet up to five (5) times with College Station. These meetings are assumed to be one (1) hour virtual conference calls.

We propose to complete these services on a lump sum basis in the amount of $85,000.00. This fee includes $44,994.35 for engineering consulting services related to flood warning, $31,830.65 for hardware involving gauge pole setups, sensors, and flasher beacons, and $8,175 for annual software licensing. We are prepared to begin this task immediately. Please feel free to contact me at 361-542-1027 or by email at jmtorres@torresassociatesllc.com if you have additional questions. We appreciate this opportunity and look forward to working with College Station on this important project!

Sincerely,

Jacob Torres, PhD, PE, CFM, D.WRE
Managing Partner, Principal

Attachments:
Exhibit A – Basic Services Fee Schedule
Exhibit B – Software Quotation Form (ATLASRain™)
Exhibit C – Hardware Quotation Form (Torres & Associates)
Exhibit D – Rain Bucket Quotation (Texas Electronics, Inc.)
Exhibit E – Pressure Transducer Quotation (Keller America Inc.)
Exhibit F – Pole Equipment Quotation (Consolidated Traffic Controls, Inc.)

Assumptions:

- Torres to provide hardware services for data logger for flood monitoring poles and control boxes for flasher beacon poles.
    - Data logger Quantity (x3)
    - Flasher Beacon Control Boxes (x6)
- Torres to provide flood alert software and data management platform (licensed annually)
- Torres to coordinate with vendors including poles and sensors.
- College Station to provide gauge installation and construction. This may include, but is not limited to:
    - Locating buried utilities to avoid conflict
    - Trenchwork of buried conduit
    - Mounting conduit
    - Pole studs and anchor brackets
- College Station to provide routine operations and maintenance for installed gauge and flasher beacons.
- College Station to serve as primary shipping destination for mailed equipment.
- Torres to provide post-Install inspections and initial equipment calibration.
- Cellular signal coverage and strength is suitable year-round for flood monitoring.

EXHIBIT A - FEE SCHEDULE
CITY OF COLLEGE STATION
FLOOD EARLY WARNING SYSTEM PILOT PROJECT ("C-FEWS")

TASK	DESCRIPTION OF WORK TASKS	PRINCIPAL	SENIOR PROJ MGR	SR ENG I	ENG I	GIS TECH II	ADMIN I	TOTAL HOURS	TOTAL LABOR COSTS
PRODUCTION TASKS									
1	Initial Project Activities	2		8	40	60	2	112	$ 12,400.00
2	Hardware Configuration			8	40	25.05		73.053	$ 8,130.35
3	Hardware and Equipment Costs								
a	Gauge Pole/Flasher Pole Hub Boxes (Torres & Associates)								$ 4,779.00
b	Rain Bucket x3 (Texas Electronics, Inc.)								$ 576.15
c	Pressure Transducer x3 (Keller America Inc.)								$ 2,562.50
d	Gauge Pole Equipment x3 (Consolidated Traffic Controls, Inc.)								$ 6,951.00
d	Flasher Pole Equipment x6 (Consolidated Traffic Controls, Inc.)								$ 16,962.00
4	Software Licensing (Annual) (Exhibit B)								$ 8,175.00
5	Training Workshop		4	8	16	16		44	$ 5,712.00
6	Flood Watch & Routine Monitoring				24	24		48	$ 4,968.00
7	Documentation & Reporting		4	16	24	40		84	$ 10,344.00
8	Meetings		8	8				16	$ 3,440.00
	SubTotal (hrs) =	**2**	**16**	**48**	**144**	**165.05**	**2**	**377.05**	**$ 85,000.00**
TOTAL									
	TOTAL HOURS	**2**	**16**	**48**	**144**	**165.05**	**2**	**377.05**	
	Contract Labor Rate	$275.00	$260.00	$170.00	$106.00	$101.00	$95.00		
	TOTAL LABOR COSTS	**$550.00**	**$4,160.00**	**$8,160.00**	**$15,264.00**	**$16,670.35**	**$190.00**		**$85,000.00**

Total Contract	**$85,000.00**

Placeholder
Attachment 3.5:
Emergency Management Plan

DRAFT

EXHIBIT B

SOFTWARE QUOTATION FORM

TORRES & ASSOCIATES, LLC
ENGINEERS | SCIENTISTS | PROFESSIONALS

TOTAL	QUOTATION NO.
$8,175.00 USD	QS-#10-XXXXXX-04_23

Quotation Date:	04/01/23
Quotation Valid Until:	07/31/23
Payment Terms:	NET 30

Torres & Associates, LLC
3515-B Longmire Drive
College Station, Texas
77845
United States

Main: +1 (346)-704-2596
Federal Tax ID:
83-3894397
Terms and Conditions (please refer to software licensing agreement for further details.)

PRODUCT	DISC (%)	UNIT PRICE	QTY	TOTAL
ATLASRain™ (Annual License) (3 gauges, Cloud Hosted)	0.00	$8,175	1	$8,175

SUBTOTAL:	$8,175.00
TAX (@ 6.25%):	EXEMPT
TOTAL:	$8,175.00

All values displayed in USD

BILL TO	SHIP TO	AUTHORIZATION
City of College Station PO Box 9960 | 1101 Texas Avenue College Station, Texas 77842	City of College Station PO Box 9960 | 1101 Texas Avenue College Station, Texas 77842	

Main Contact:
Carol Cotter, PE, CFM

The estimated tax due, is as identified, an estimate. Actual taxable amount may vary. Customer is responsible for all tax liabilities and/or obligations that result from any purchase identified on, or result from, this quotation. If customer is tax exempt, a copy of a valid exemption certificate must be provided to Torres & Associates ("Torres").

Technical support and/or maintenance services ("Support Services") are offered pursuant to this quotation and the Torres Software Licensing Agreement. To receive Support Services, customer acknowledges and agrees that it must at all times continue to be party to the Torres Software Licensing Agreement without interruption. Customer acknowledges and agrees that in the event the Torres Licensing Agreement is not renewed or is allowed to lapse (whether as a result of non-renewal, lack of payment, or otherwise): (i) Torres will have no obligation to provide customer with the Support Services or any other technical support and/or maintenance of any kind; and (ii) in order to again be eligible to receive Support Services, customer will be required to pay all delinquent payment/outstanding balances due, regardless of duration, plus a twenty-five percent (25%) reinstatement fee.

EXHIBIT B

Any software delivered in connection with this quotation is governed by the Torres License Agreement. In addition to the Company's standard terms and conditions:

- The associated terms for the above products and/or services (the "Solution Set") are, as issued herein, non-cancellable and non-refundable ("NCNR");
- Any prepayment made by customer to Company, as associated with the above Solution Set(s) is also considered non-cancellable and non-refundable ("NCNR"). Modification and/or change to a Solution Set does not alter the NCNR status.
- Customer acknowledges that the NCNR clause shall supersede any and all other applicable language, in any agreement, by and between the parties; where there is a conflict, NCNR terms shall rule.

The undersigned hereby certifies that the individuals and/or positions, as represented by signature below, have the authority to legally bind Customer; to execute any agreement, amendment or change order on behalf of Customer. Explicitly, that binding authority has been granted by proper order, resolution, ordinance or other authorization of Customer. Further, by signing below, Customer acknowledges its consent to the terms and conditions as identified above.

Signature: _____ Date: _____

Name: _____
(Print):

Title: _____

DRAFT

EXHIBIT C

HARDWARE QUOTATION FORM

TORRES & ASSOCIATES, LLC
ENGINEERS | SCIENTISTS | PROFESSIONALS

TOTAL	QUOTATION NO.
$4,779.00 USD	QH-#10-XXXXXX-04_23

Quotation Date:	04/01/23
Quotation Valid Until:	07/31/23
Payment Terms:	NET 30

Torres & Associates, LLC
3515-B Longmire Drive
College Station, Texas
77845
United States

Main: +1 (346)-704-2596
Federal Tax ID:
83-3894397
Terms and Conditions (please refer to software licensing agreement for further details.)

PRODUCT	DISC (%)	UNIT PRICE	QTY	TOTAL
bRain Box™ (Gauge Pole Sensor Hub)	0.00	$995.00	3	$2,985.00
Flasher Hub (Flasher Pole Hub)	0.00	$299.00	6	$1,794.00

SUBTOTAL:	$4,779.00
TAX (@ 6.25%):	EXEMPT
TOTAL:	$4,779.00

All values displayed in USD

BILL TO	SHIP TO	AUTHORIZATION
City of College Station PO Box 9960 | 1101 Texas Avenue College Station, Texas 77842	City of College Station PO Box 9960 | 1101 Texas Avenue College Station, Texas 77842	

Main Contact:
Carol Cotter, PE, CFM

The product quantities and estimated tax due, is as identified, an estimate. Actual product quantities and taxable amounts may vary. Customer is responsible for requesting exact product quantities and for all tax liabilities and/or obligations that result from any purchase identified on, or result from, this quotation. If customer is tax exempt, a copy of a valid exemption certificate must be provided to Torres & Associates ("Torres").

EXHIBIT D

Texas Electronics, Inc.
4230 Shilling Way
Dallas, Texas, 75237

PHONE: 214-631-2490
FAX: 214-631-4218

SALES ORDER# :020310

80% DRAFT

DRAFT

PAGE NO.	**: 1**
CHANGE ORDER	**: 0**
DATE ORDERED	**: 10/05/2022**
RELATED DOC #	**:**
SALESMAN	**:**
CUSTOMER PH #	**: 346-704-2596**
CUSTOMER PO #	**:**
FOB	**: Origin**

Torres & Associates LLC
Jacob Torres
3515-B Longmire Drive
PMB 147
College Station, TX 77845
USA

SHIP TO ADDR

Torres & Associates LLC
Jacob Torres
3515-B Longmire Drive
PMB 147
College Station, TX 77845
USA

SHIP VIA: UPS Ground **TERMS: Visa** **ACCT: TOR004**

ITEM	PARTNO	DESCRIPT	DATE REQ	QTY	UNIT	PRICE	TOTAL PRICE
0001	910-00100	Pole Mounting Base, 525 Series 1.25" NPT	10/26/22	15		150.28	2254.20
0002	Misc	Black Power Coat	10/26/22	15		25.00	375.00

NOTES:

SUBTOTAL:	**2629.20**
TAX:	**0.00**
FREIGHT:	**50.31**
TOTAL:	**2679.51**

TOTALS FOR SALES ORDER : 020310

APPROVALS: **Level 1:** _____ **Level 2:** **Level 3:** **Level 4:** _____

Produced from pc/MRP - www.pcmrp.com

EXHIBIT E

KELLER

Quote Number Q222637
Date Aug 31, 2022
Page 1

Quotation

Keller America Inc.
351 Bell King Road
Newport News, VA 23606
USA
Phone: 877.2.KELLER
Tax ID: 54-1373866

Sold To: **Customer No.** TORRE01

TORRES & ASSOCIATES
3515-B LONGMIRE DR
PMB 147
COLLEGE STATION, TX 77845
USA

Ship To Location:

DNS - TORRES & ASSOCIATES
3515-B LONGMIRE DR
PMB 147
COLLEGE STATION, TX 77845
USA

Reference	Representative	Ship Via	Terms
	HOUSE		Pre Paid

Qty.	Item Number	Description	Unit Price	UOM	Extended Price
10	0507.02007.281387	ACCULEVEL/81355/30ft WC/SDI12+RS485/85' PE/0.1% Country of Origin: USA	$ 822.50	EA	$ 8,225.00
	0	FREIGHT ESTIMATE UPS GROUND FROM 23606 TO 77845 APPROX LEAD TIME IS 13-16 BUSINESS DAYS ARO, PLUS SHIPPING	$		$ 95.00

Comments:

Quote is valid for 60 days from above date unless otherwise noted. Prices are in US Dollars and are FOB Newport News VA. Freight is not included and will be added to the invoice. Payment terms are Net 30 with approved credit. We also accept Visa, MasterCard, American Express and Discover cards.

Keller America Terms & Conditions can be found at kelleramerica.com/Terms_and_Conditions.pdf

Subtotal	$ **8,320.00**
Total sales tax	$ **0.00**
Total Order USD	$ **8,320.00**

EXHIBIT F

2/15/2022
7:00 PM

Page

Name	Jacob Torres
Agency	Torres Engineering
Address	
City State Zip	
Phone Number(s)	346-704-2596
Email Address	jmtorres@torresassociatesllc.com

Consolidated Traffic Controls, Inc.
Serving The Traffic Industry Since 1980

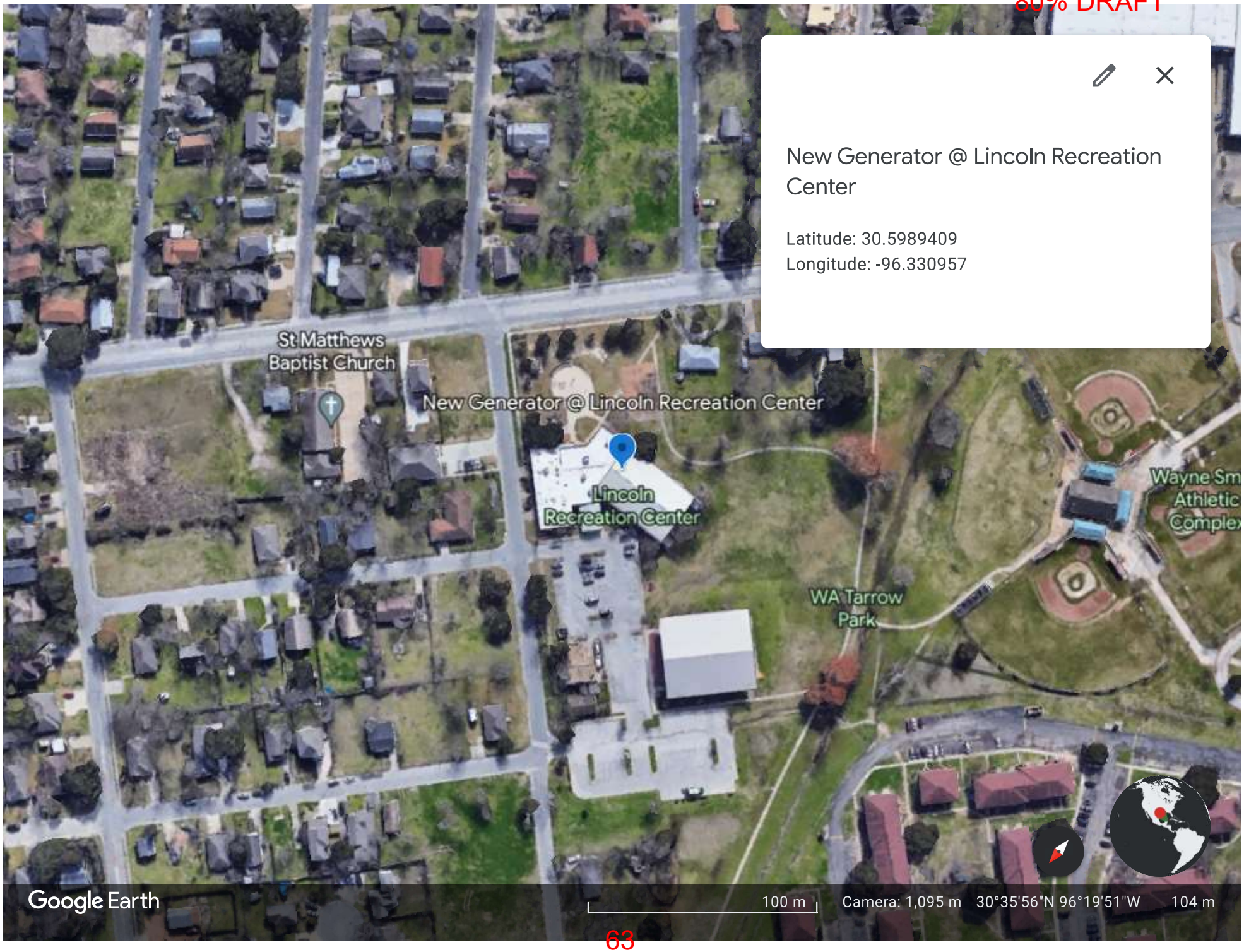
MH3181	
2/15/2022	
6:59:39 PM	
Mike Hancock	
281-352-5417	
mhancock@ctc-traffic.com	

Please Reference our Quote Number on your PO, thanks.

Due to electronic component shortages and large increases in metal prices, this quote is only good for Thirty Days. We apologize for having to do this and hope it will be temporary.

CTC Part Number	Description	Qty	Unit Price	Total Price
PNS10-SP40	40 Watt Solar Panel Assy incl Side Pole Mount and Wiring	1	$ 358.00	$ 358.00
PNS10-500645-104	104 Amp Hour Gel Cell Battery Interstate	1	$ 417.00	$ 417.00
PNS10-SIGPY	12" Signal Heads Poly Yellow (1, 2 or 3 per flasher)	2	$ 187.00	$ 374.00
PNS10-502463	12" Amber DC 5 Watt LED IL (RTC Standard) (1, 2 or 3 per flasher)	2	$ 68.00	$ 136.00
PNS10-503333UB	One Battery Cabinet Cabinet Only + Ubolt Mount	1	$ 620.00	$ 620.00
20PB-5364	4" Screw in Anchor	1	$ 345.00	$ 345.00
201502	Square Base	1	$ 167.00	$ 167.00
201020	Collar	1	$ 71.00	$ 71.00
201043	15' Aluminum Pole	1	$ 326.00	$ 326.00
201007	Cap	1	$ 13.00	$ 13.00
			Total Before Tax	$ 2,827.00
		Sales Tax (if applicable)	0.00%	$ -
			Shipping	
			Grand Total	**$ 2,827.00**

Notes


New Generator @ Lincoln Recreation Center
Latitude: 30.5989409
Longitude: -96.330957
St Matthews Baptist Church
New Generator @ Lincoln Recreation Center
Lincoln Recreation Center
WA Tarrow Park
Wayne Sm Athletic Complex
Google Earth
100 m
Camera: 1,095 m 30°35'56"N 96°19'51"W 104 m

INSTRUCTIONS AND DATA SOURCE

Data Source: Most Recent ACS 5-year Est. - Table DP05

City Applicants: Enter city-wide data as reflected on Table DP05

County Applicants: Enter census tract data as reflected on Table DP05

APPLICANT:	College Station, TX
Sex and Age	**ENTER DP05 DATA HERE**
Male:	61,402
Female:	58630
One Race	
White:	81820
Black or African American:	9685
American Indian and Alaska Native:	674
Asian:	10646
Native Hawaiian and Other Pacific Islander:	460
Some Other Race:	4508
Two or more races:	12239
-White and Black or African American:	235
-White and American Indian and Alaska Native:	775
-White and Asian:	854
-Black or African American and American Indian and Alaska Native:	424
Hispanic or Latino and Race	
Hispanic or Latino (of any race):	21054
Not Hispanic or Latino:	98978
-White alone:	75403
-Black or African American alone:	9051
-American Indian and Alaska Native alone:	117
-Asian alone:	10646
-Native Hawaiian and Other Pacific Islander alone:	460
-Some other race alone:	84
-Two or more races:	3217
Enter Number of Project Beneficiaries:	14183
Gender of Project Beneficiaries	
Male	7255
Female	6928

Race and Ethnicity of Project Beneficiaries	**Hispanic**	**Non-Hispanic**
White	759	8911
Black/African American	75	1069
American Indian/Alaska Native	66	14
Asian	0	1258
Native Hawaiian/Other Pacific Islander	0	54
Some Other Race	523	10
White and Black/African American	20	7
White and American Indian/Alaska Native	67	24
White and Asian	74	26
Black/African American and American Indian/Alaska Native	37	13
Other multi racial	867	309
Total:	**14183**	

LMISD Table - Generator at Lincoln Community Center

STATEFP	COUNTYFP	TRACTCE	BLKGRPCE	GEOID	NAMELSAD	COG_LONG	COG_SHOR	CDBG_MIT	FL_2015	FL_2016	HV_2017	STFL_2018	DIS_2019	COUNTY	GEOID	GEONAME	COUNTY_N	QUALIFY_F	LMI Percen	LMI Popula	LMI Universe
48	41	1604	1	4.80E+11	Block Grou	Brazos Vall	BVCOG	State MID	N/A	State MID	N/A	N/A	N/A	41	15000US48	Block Grou	Brazos Cou	YES	73.9	1940	2625
48	41	1605	1	4.80E+11	Block Grou	Brazos Vall	BVCOG	State MID	N/A	State MID	N/A	N/A	N/A	41	15000US48	Block Grou	Brazos Cou	YES	62.36	1206	1934
48	41	1605	2	4.80E+11	Block Grou	Brazos Vall	BVCOG	State MID	N/A	State MID	N/A	N/A	N/A	41	15000US48	Block Grou	Brazos Cou	YES	69.25	1491	2153
48	41	1604	2	4.80E+11	Block Grou	Brazos Vall	BVCOG	State MID	N/A	State MID	N/A	N/A	N/A	41	15000US48	Block Grou	Brazos Cou	YES	28.82	330	1145
48	41	1604	3	4.80E+11	Block Grou	Brazos Vall	BVCOG	State MID	N/A	State MID	N/A	N/A	N/A	41	15000US48	Block Grou	Brazos Cou	YES	76.94	1408	1830

CDBG-MIT: Budget Justification of Retail Costs
(Former Table 2)

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.

Applicant/Subrecipient:	City of College Station
Site/Activity Title:	Generator at Lincoln Recreation Center
Eligible Activity:	Public Facilities

Materials/Facilities/Services	$/Unit	Unit	Quantity	Construction	Acquisition	Total
Generator Purchase and Installation	$ 132,000.00	EA	1	$ 132,000.00	$ -	$ 132,000.00
Staff time to Administer Project	$ 13,200.00	EA	1	$ 13,200.00	$ -	$ 13,200.00
	$ -		0	$ -	$ -	$ -
	$ -		0	$ -	$ -	$ -
	$ -		0	$ -	$ -	$ -
	$ -		0	$ -	$ -	$ -
	$ -		0	$ -	$ -	$ -
	$ -		0	$ -	$ -	$ -
	$ -		0	$ -	$ -	$ -
	$ -		0	$ -	$ -	$ -
	$ -		0	$ -	$ -	$ -
	$ -		0	$ -	$ -	$ -
	$ -		0	$ -	$ -	$ -
	$ -		0	$ -	$ -	$ -
	$ -		0	$ -	$ -	$ -
	$ -		0	$ -	$ -	$ -
	$ -		0	$ -	$ -	$ -
	$ -		0	$ -	$ -	$ -
	$ -		0	$ -	$ -	$ -
	$ -		0	$ -	$ -	$ -
TOTAL	$ 145,200.00			$ 145,200.00	$ -	$ 145,200.00

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

The associated annual maintenance of the generator is estimated at $XXXX.

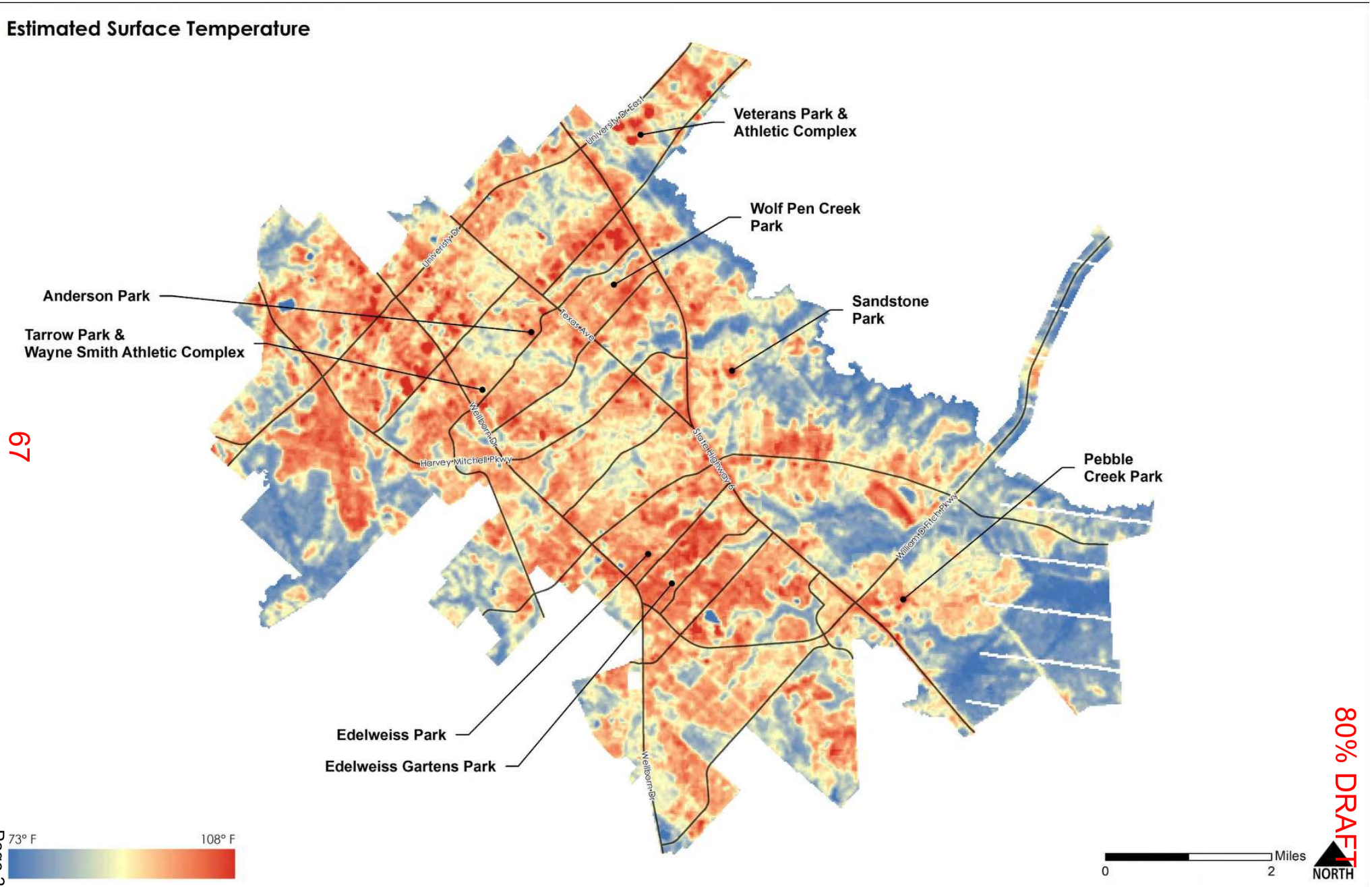
2. Identify and explain any special engineering activities.

The Contractor will perform all steps necessary to install all conduit and wiring to the generator, install the transfer switch, and provide all materials, equipment, implements, supplies, tools, facilities and labor necessary for the completion of all construction work to install the generator and switchboard hardware.

Date:	
Phone Number:	

Seal

Signature of Registered Engineer/Architect Responsible For Budget Justification:


Estimated Surface Temperature
Veterans Park &
Athletic Complex
Wolf Pen Creek
Park
Anderson Park
Tarrow Park &
Wayne Smith Athletic Complex
Sandstone
Park
Pebble
Creek Park
Edelweiss Park
Edelweiss Gartens Park
University Dr East
University Dr
Texas Ave
Wellborn Dr
Harvey Mitchell Pkwy
State Highway 6
Wellborn Rd
Rich Pkwy
Wellborn Dr
73° F
108° F
Miles
0
2
NORTH

80% DRAFT

Brazos Transit District

For help planning your trip call:
(979) 778-0607

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View live maps and bus locations

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@BrazosTransit

LEGEND/INDICE

BRYAN/NORTH TERMINAL
301 E. 26th Street, Bryan

- Route 0: Orange/Naranja
- Route 9: Purple/Morado

MIDTOWN TERMINAL
3350 S. Texas Ave., Bryan

- Route 1: Red/Rojo
- Route 2: Blue/Azul
- Route 3: Green/Verde
- Route 4: Maroon/Marrón
- Route 5/6: Yellow/Amarillo

C.S./SOUTH TERMINAL
300 Krenek Tap Rd., College Station

- Route 7: Pink/Rosa
- Route 8: Grey/Gris

- Bus Route/Ruta del Autobus
- Direction of Travel/Direcion de Viaje
- (#) Time Point/Punto de Tiempo
- Point of Interest/Punto de Interes

- Stand away from curb until the bus is completely stopped.
- Have exact fare ready, drivers do not make change.
- Watch your step getting on/off the bus.
- Use the handrails and sit in a seat as soon as possible.
- Don't let children play/stand on the seats.
- Be courteous to other passengers.

Tickets and passes can be purchased at the following locations:

BTD Main Office: 2117 Nuches Ln., Bryan
North Terminal: 301 E 26th Street, Bryan
Midtown Terminal: 3350 S Texas Avenue, Bryan
OR CALL: 979-778-0607 to purchase over the phone.
**If paying with cash please have exact amount.*

Placeholder
Attachment 2.1: Latitude/Longitude Map
Cooling College Station

Placeholder
Attachment 2.1: Race/Ethnicity Calculator
Cooling College Station

Placeholder
Attachment 2.1: LMISD Table
Cooling College Station

Placeholder
Attachment 4.4:
Cooling College Station 5-Year Plan