

September 25, 2020

Mayor and Council
City of Brenham
200 W. Vulcan
Brenham, Texas 77833

RE: PROPOSED 2016 FLOOD CDBG-MIT APPLICATION & PROJECT FOR CONSIDERATION

Dear Mayor and Council:

Please allow this letter, and the detail contained within, to serve as the basis for discussion of a proposed project for consideration in the upcoming Community Development Block Grant – 2016 Floods Mitigation (CDBG-MIT) competition. The project consists of major drainage improvements within the central portion of the City. The enclosed documents detail the project area, proposed budget, project beneficiaries, preliminary application score, and project schedule. Current estimated project costs are defined below:

Activity	Total
Construction	\$2,612,000.00
Acquisition	\$153,800.00
Engineering	\$414,800.00
Administration	\$254,000.00
Total	\$3,434,600.00

Please note, the application will require a 1% local match commitment which will be based on the budget presented above.

This material is to guide discussion about this proposed project and not intended to serve as the final authorization of the project. A substantially complete application will need to be finalized and released for a minimum 14-day public comment period prior to the official authorization and submission of an application.

Respectfully,


Nic Houston



Brenham Community Development Block Grant (CDBG)–Mitigation (MIT)
2016 Project Description
City of Brenham, Texas (City)

Hazard and Risk Description

The portions of the City within the Hogg Branch Creek watershed have a history of experiencing significant impacts from flooding and drainage issues. The Hogg Branch Creek area is heavily wooded, eroded, and silted-up, restricting the amount of stormwater conveyance to travel out of the City. Past drainage issues in the City and proposed flood mitigation recommendations are documented in the “Comprehensive City Plan,” dated September 19, 2019. It is noted that several undersized and/or damaged drainage facilities within the City are in need of rehabilitation.


Hazard Mitigation Actions

The proposed drainage improvement activity includes bank stabilization and erosion control measures that will serve to reduce the flooding hazards and potential loss of infrastructure for Hogg Branch Creek. The proposed project in this application will further enhance past projects that the City has conducted, which include several drainage improvements projects, such as the Louanna Estates Subdivision storm sewer upsizing, Park Street downtown improvements, and channel restoration west of Jackson Street. Furthermore, the proposed project in this application will satisfy the need for reducing the risk of flooding with regional stormwater management improvements outlined in the 2019 City Comprehensive Plan.

Provide a Project Summary

Hogg Branch Creek is a main drainage channel that travels directly through the middle of the City, conveying stormwater runoff from the western to the eastern side of the City. There is visual evidence of significant streambank erosion, which has resulted in transport and deposition of sediment and debris within receiving downstream reaches of Hogg Branch Creek. The existing conditions of this channel consist of heavily wooded areas and high erosion, resulting in the future loss of buildings and infrastructure if not bank stabilized. The goal of this project is to perform streambank regrading improvements, removal of debris and vegetation, and embankment protection. The regraded streambanks and streambed will be armored with permanent articulated concrete stabilization measures and equipped with open cells backfilled with soil that allow for native vegetation to be established. A restored streambed will also aid in the City’s need for regional detention within the City, as depicted in the 2019 City Comprehensive Plan.

STRAND ASSOCIATES, INC.®

 September 25, 2020
Kelly M. Hajek, P.E. Date

City of Brenham - CDBG MIT - 2016 Floods Beneficiaries

GEOID	geoname	Stusab	Countyna	State	County	Tract	Bckgrp	Low	Lowmod	Lmmi	Lowmodu	Lowmod_	MOE_Low
15000US4	Block Grou	TX	Washingtd	48	477	170100	1	680	975	1145	1295	75.29%	+/-25.17
15000US4	Block Grou	TX	Washingtd	48	477	170100	2	165	280	380	405	69.14%	+/-32.59
15000US4	Block Grou	TX	Washingtd	48	477	170300	1	470	1065	1330	1815	58.68%	+/-22.31
15000US4	Block Grou	TX	Washingtd	48	477	170400	1	425	575	825	1000	57.50%	+/-30.70
15000US4	Block Grou	TX	Washingtd	48	477	170400	2	260	275	370	955	28.80%	+/-17.91
15000US4	Block Grou	TX	Washingtd	48	477	170400	3	165	550	750	1445	38.06%	+/-22.35
								3720			6915	54%	



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 Brenham					
Site/Activity Title:	Hogg Branch Channel Restoration (South Market Street to FM 577/Blue Bell Road)					
Eligible Activity:	Drainage Improvements					
Materials/Facilities/Services	\$/Unit	Unit	Quantity	Construction	Acquisition	Total
Debris Removal, Vegetation Removal, Embankment Protection, Earthen Restoration (Market Street to Pecan Street)	\$ 400.00	LF	1465	\$ 586,000.00	\$ 34,600.00	\$ 620,600.00
Debris Removal, Vegetation Removal, Embankment Protection, Earthen Restoration (Pecan Street to Chappell Hill Street)	\$ 400.00	LF	1235	\$ 494,000.00	\$ 29,000.00	\$ 523,000.00
Debris Removal, Vegetation Removal, Embankment Protection, Earthen Restoration (Chappell Hill Street to Kerr Street)	\$ 400.00	LF	640	\$ 256,000.00	\$ 15,100.00	\$ 271,100.00
Debris Removal, Vegetation Removal, Embankment Protection, Earthen Restoration (Kerr Street to Alamo Street)	\$ 400.00	LF	2480	\$ 992,000.00	\$ 58,400.00	\$ 1,050,400.00
Debris Removal, Vegetation Removal, Embankment Protection, Earthen Restoration (Alamo Street to FM 577)	\$ 400.00	LF	710	\$ 284,000.00	\$ 16,700.00	\$ 300,700.00
TOTAL	\$ 2,000.00			\$ 2,612,000.00	\$ 153,800.00	\$ 2,765,800.00

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

There are no anticipated operation costs associated with the proposed activities. The only anticipated maintenance will involve minor costs associated with vegetation control near the right-of-way along with routine checks of debris removal near drainage facilities.

2. Identify and explain any special engineering activities.

There may be a need for geotechnical soils investigation.



Hollie Janecka
9-25-2020
Seal

Date:	
Phone Number:	

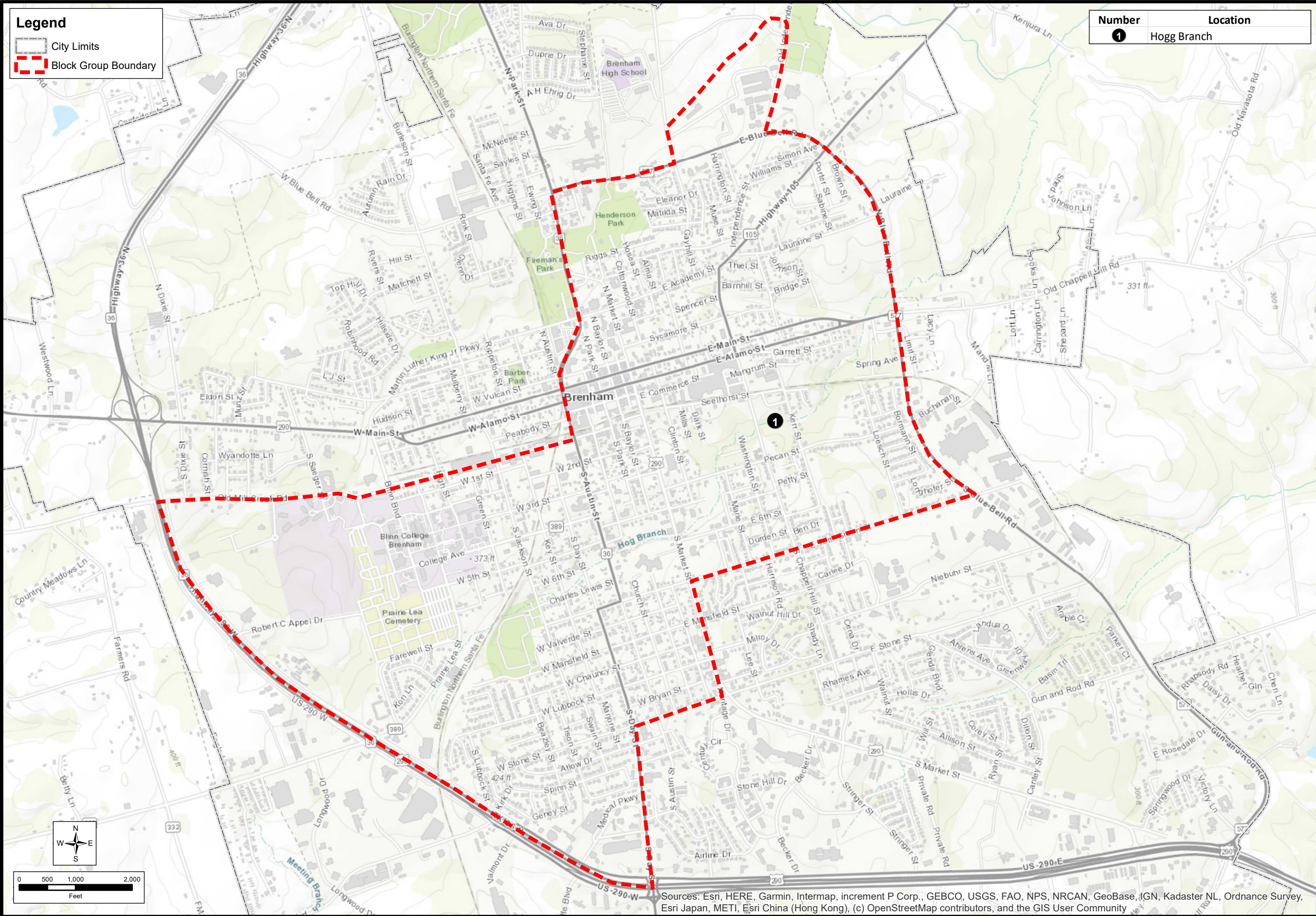
Hollie Janecka
Signature of Registered Engineer/Architect
Responsible For Budget Justification:

Project Phase	Start Date	End Date	Length (months)	Length (days)
Procurement of GA	1/1/2021	2/1/2021	1	31
Procurement of Engineer	1/1/2021	2/1/2021	1	31
Start-up documentation	2/1/2021	3/1/2021	1	28
Broad Environmental Review	2/1/2021	4/1/2021	2	59
Engineering Design	3/1/2021	8/31/2021	6	183
Acquisition	3/1/2021	8/31/2021	6	183
Bid Advertisement	9/1/2021	10/31/2021	2	60
Contract Award	11/1/2021	12/31/2021	2	60
Construction NTP	1/1/2022	1/31/2022	1	30
Construction	2/1/2022	2/1/2023	12	365
Construction activity completion	2/2/2023	4/3/2023	2	60
Submit As-Builts/COCC/FWCR	4/4/2023	4/19/2023	0.5	15
Contract Closeout	4/20/2023	5/20/2023	1	30

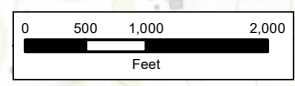
Legend

- City Limits
- Block Group Boundary

Number	Location
1	Hogg Branch

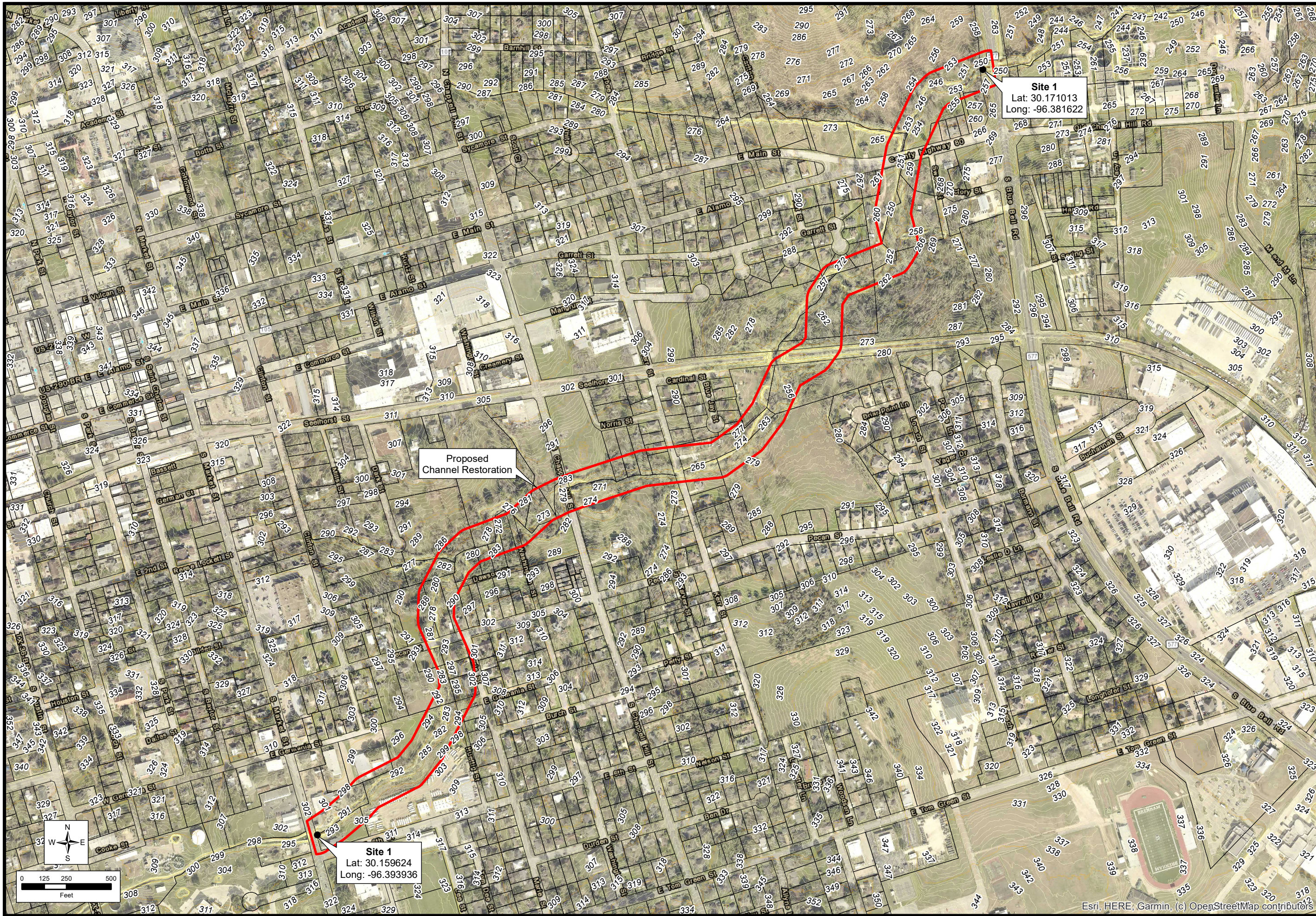


PROJECT LOCATION SITE MAP
GLO CDBG-MIT PROGRAM - INFRASTRUCTURE PROJECTS
CITY OF BRENHAM
WASHINGTON COUNTY, TEXAS



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community





HOGG BRANCH
GLO CDBG-MIT PROGRAM - INFRASTRUCTURE PROJECTS
CITY OF BRENHAM
WASHINGTON COUNTY, TEXAS





City of Brenham - 2016 Floods

C) 2016 Floods State Mitigation Competition Scoring Criteria

Question(s)	Criteria	Maximum Points	Self-Score
What is the project service area's Composite Disaster Index?	County Composite Disaster Index	10 Points Possible	5
	<i>Top 10%</i>	<i>10 Points</i>	
	<i>Top 25%</i>	<i>8 Points</i>	
	<i>Top 75%</i>	<i>5 Points</i>	X
	<i>Bottom 25%</i>	<i>2 Points</i>	
	<i>Bottom 10%</i>	<i>0 Points</i>	
	<i>Prorated CDI Rank</i>	<i>Calculated Points</i>	
What is the project service area's Social Vulnerability Index (SoVI)?	Social Vulnerability Index	10 Points Possible	5
	<i>High</i>	<i>10 Points</i>	
	<i>Medium High</i>	<i>8 Points</i>	
	<i>Medium</i>	<i>5 Points</i>	X
	<i>Medium Low</i>	<i>2 Points</i>	
	<i>Low</i>	<i>0 Points</i>	
	<i>Prorated SoVI Rank</i>	<i>Calculated Points</i>	
What is the project service area's Per Capita Market Value?	Per Capita Market Value	10 Points Possible	2
	<i>Less than \$40,000.00</i>	<i>10 Points</i>	
	<i>\$40,000.01 - \$65,000.00</i>	<i>8 Points</i>	
	<i>\$65,000.01 - \$100,000.00</i>	<i>5 Points</i>	
	<i>\$100,000.01 - \$250,000.00</i>	<i>2 Points</i>	X
	<i>\$250,000.01 or greater</i>	<i>0 Points</i>	
Does the project meet the low-to moderate-income (LMI) HUD National Objective?	LMI National Objective	20 Points Possible	20
	Project meets LMI national objective	<i>20 Points</i>	X
	Project does not meet LMI national objective	<i>0 Points</i>	
Is the project type identified in a Local Adopted Plan?	Project type Identified in Local Adopted Plan	5 Points Possible	5
	Project type identified in local adopted plan	<i>5 Points</i>	X
	Project type not identified	<i>0 Points</i>	
What is the applicant's management capacity?	Management Capacity	15 Points Possible	15
	No CDBG-DR contracts with GLO (management capacity assessment)	<i>Up to 15 Points</i>	



Question(s)	Criteria	Maximum Points	Self-Score
	Performance on GLO CDBG-DR contract(s), programs and/or projects	<i>Up to 15 Points</i>	X
What is the total project application amount per total project beneficiaries?	Project Impact	25 Points Possible	16.1
	Total project application amount per total project beneficiaries	<i>15 Points</i>	12
What is the percentage of project beneficiaries out of the total population within the applying jurisdiction(s)?	Percentage of total project beneficiaries out of the total population within a jurisdiction(s)	<i>10 Points</i>	4.1
What percentage of project costs being requested are coming from non-CDBG funding sources?	Leverage	5 Points Possible	5
	Non-CDBG Leverage (a minimum value of 1% of the CDBG-MIT funds requested)	<i>5 Points</i>	X
Total Possible Points		100 Possible Points	73.1
Tie Breaker: Higher Poverty Rate			

*Applications that do not score a minimum of 65 points will only be considered after all applications scoring greater than this amount have been funded.