

DRAFT

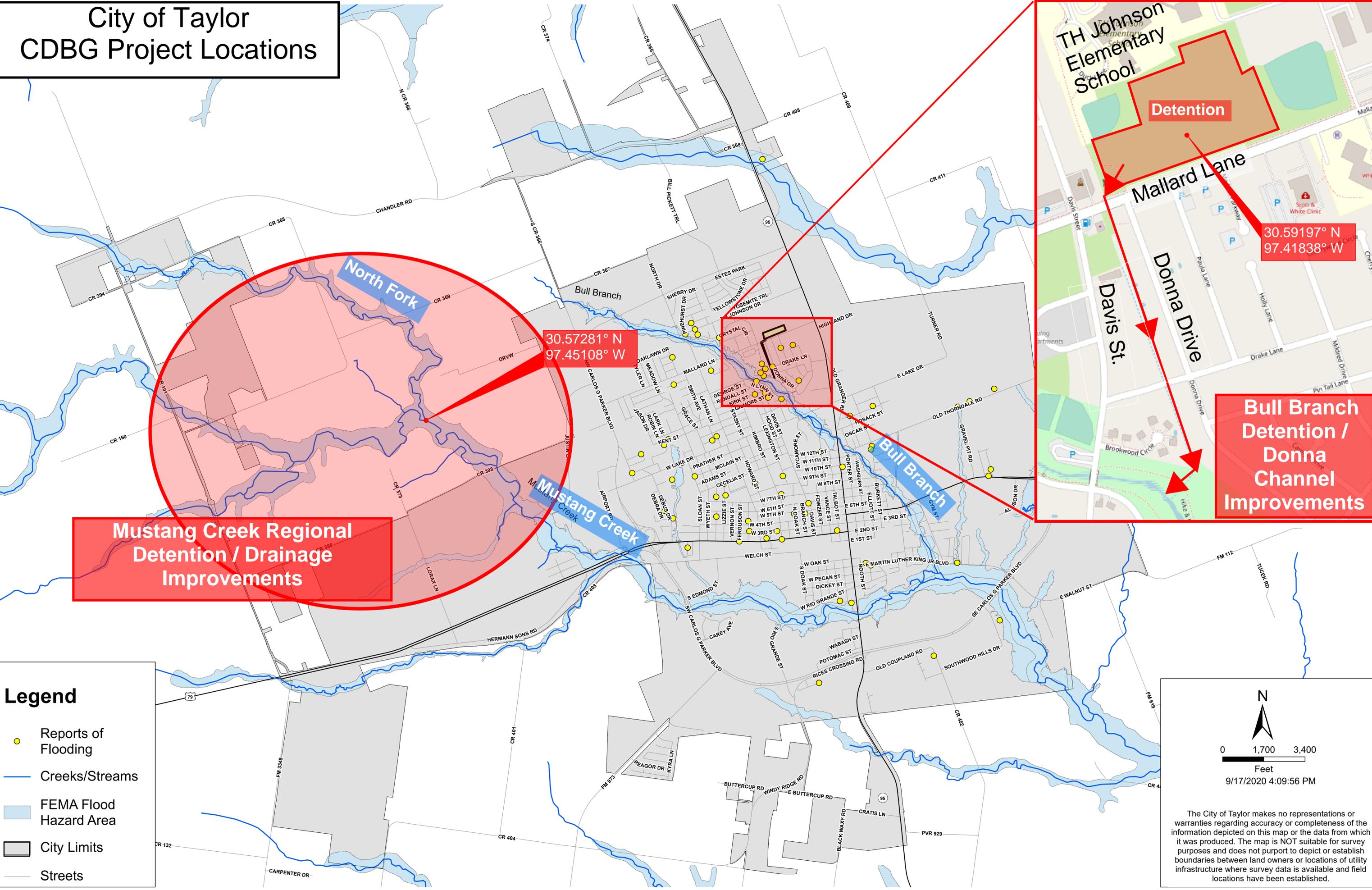
**Texas General Land Office
CDBG-MIT Competition
Application**

from

CITY OF TAYLOR

DRAFT

City of Taylor CDBG Project Locations



**Mustang Creek Regional
Detention / Drainage
Improvements**

30.57281° N
97.45108° W

**Bull Branch
Detention /
Donna
Channel
Improvements**

30.59197° N
97.41838° W

Legend

- Reports of Flooding
- Creeks/Streams
- FEMA Flood Hazard Area
- City Limits
- Streets

N

0 1,700 3,400

Feet

9/17/2020 4:09:56 PM

The City of Taylor makes no representations or warranties regarding accuracy or completeness of the information depicted on this map or the data from which it was produced. The map is NOT suitable for survey purposes and does not purport to depict or establish boundaries between land owners or locations of utility infrastructure where survey data is available and field locations have been established.

Document Path: \\DALC\GIS\SRV01\Texas_GIS_Projects\10158923-40187_City_of_Taylor_GIS\Map_Docs\Project_Maps_CityOfTaylor_CDBG_Projects_v5_107.mxd

For purposes of Mitigation application and implementation, the Project provided represents the overall Mitigation need being met.

Mitigation Need Identification	Description
<p>Hazard, Risk Description - Describe how the risk(s) selected (Flooding, Hurricanes/Tropical Storms) are impacting the proposed project area. Reference where adopted local mitigation efforts are planned or underway where appropriate.</p>	<p>The project includes areas within the City of Taylor Bull Branch and Mustang Creek watersheds that have a history of flooding. The City of Taylor has documented over 70 flood complaints within these two watersheds in recent years. On May 25, 2015, the City of Taylor received an estimated 5.5 inches of rainfall over a two and half hour period when soils were fully saturated from a 3-inch rain event the day prior. These intense rain events in tandem caused widespread flooding in both watersheds and the City of Taylor as a whole, with flood damages reported in 280 homes and an estimated \$700,000 in flood damages incurred to city facilities, roads, homes, and businesses. The City of Taylor has recently adopted local mitigation efforts to address flooding within the City. In 2019, the City enacted higher standards for their flood control ordinance, for the drainage criteria in their subdivision ordinance, and adopted a comprehensive drainage plan to form a framework for addressing flooding issues. Lastly, the City approved a \$2.3 million dollar bond that focuses on providing drainage infrastructure improvements for problem areas where the most homes have been impacted by flooding.</p>
<p>Hazard Mitigation Actions - Describe how the proposed project will mitigate against the identified lists. Reference where adopted local mitigation efforts are being enhanced where appropriate.</p>	<p>The proposed project will provide regional detention and channel improvements within the Bull Branch and Mustang Creek watersheds to help reduce flood risks. Regional detention will be provided in the upper portion of the watersheds to reduce downstream peak flow rates during flood events. In addition, channel improvements will be strategically provided to increase the flood conveyance capacity of channels in each watershed. The proposed project is in agreement with the City of Taylor Comprehensive Plan, which calls for the investigation and implementation of regional detention in both the upper portion of the Mustang Creek and Bull Branch watersheds. Further, the Comprehensive Plan identifies the need for channel improvements specifically for the Donna Channel, located in the upper portion of the Bull Branch watershed.</p>
<p>Provide a Project Summary: Summary must identify each Activity and Site required for successful mitigation, and identify the risk being mitigated.</p>	<p>The City of Taylor Community Development Block Grant (CDBG) Project proposes city-wide flood risk reduction improvements through the implementation of regional detention facilities and channel improvements in both the Bull Branch and Mustang Creek watersheds. The construction costs for both watershed projects would be limited to \$6.3 million in total.</p> <p>Bull Branch Detention / Donna Channel Improvements A 10 to 15-acre regional detention facility is proposed in the upper portion of Bull Branch watershed, along with improvements to an existing drainage channel (the Donna Channel). The detention facility is to be located on the school property of TH Johnson Elementary and will serve as a dual-use facility for stormwater detention and school recreation. In association with this regional detention is the Donna Channel, an existing channel located downstream of the school behind the residential lots west of Donna Drive and east of Davis Street / Brookwood Circle. The Donna Channel improvements will consist of enhancing roughly 2,000 linear feet of existing channel from the new regional detention facility to its confluence with Bull Branch Creek. To expand the capacity of the 'Donna Channel,' additional drainage easements will likely be required. The Bull Branch Regional Detention and Donna Channel Improvements will lower peak flow rates downstream during flood events, reduce flooding in the vicinity of the Donna Channel, and help mitigate downstream adverse impacts from future development.</p> <p>Mustang Creek Regional Detention / Drainage Improvements The Mustang Creek Regional Detention Facility is proposed to be roughly 20-acres in size and located off-line from the main channel of Mustang Creek or one of its tributaries, such as the North Fork. The regional detention would be located in the upper portion of the watershed (i.e. upstream of Taylor Municipal Airport). Regional detention in this area would lower downstream peak flows through town during flooding events, and will help mitigate downstream adverse impacts identified in the watershed. An engineering study will be conducted to determine the most beneficial location for the regional facility, at which point land acquisition will likely be necessary.</p>
<p>Is proposed project in Local plan?</p>	<p>If it is, provide a copy and it must include page number of proposed project, month/year was adopted, council/commissioner's court adoption in minutes. Will need to upload.</p>



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.

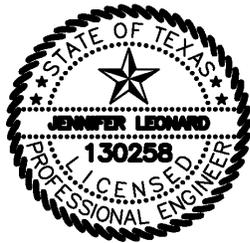
Applicant/Subrecipient:		City of Taylor				
Site/Activity Title:		Donna Channel & Regional Detention Improvements				
Eligible Activity:		Flood control and drainage improvements				
Materials/Facilities/Services	\$/Unit	Unit	Quantity	Construction	Acquisition	Total
Land Acquisition (easements)	\$ 5,625.00	EA	33		\$ 185,625.00	\$ 185,625.00
Erosion Control	\$ 33,875.00	LS	1	\$ 33,875.00	\$ -	\$ 33,875.00
Excavation / Fill	\$ 10.00	CY	75711	\$ 757,110.00	\$ -	\$ 757,110.00
6" Top Soil	\$ 3.75	SY	72600	\$ 272,250.00	\$ -	\$ 272,250.00
Spoils Haul Off	\$ 6.25	CY	69844	\$ 436,525.00	\$ -	\$ 436,525.00
Splitter Box	\$ 18,750.00	LS	1	\$ 18,750.00	\$ -	\$ 18,750.00
Outfall Structure	\$ 25,000.00	LS	1	\$ 25,000.00	\$ -	\$ 25,000.00
Soil Retention Blanket	\$ 2.50	SY	78622	\$ 196,555.00	\$ -	\$ 196,555.00
Native Seeding	\$ 2.50	SY	99733	\$ 249,332.50	\$ -	\$ 249,332.50
Pond Maintenance Road	\$ 93.75	SY	56	\$ 5,250.00	\$ -	\$ 5,250.00
Existing Channel Demo	\$ 31.25	SY	4667	\$ 145,843.75	\$ -	\$ 145,843.75
Concrete Channel	\$ 162.50	SY	4142	\$ 673,075.00	\$ -	\$ 673,075.00
Drake Lane - Culvert, Pav Repair, Guard Rail	\$ 37,500.00	LS	1	\$ 37,500.00	\$ -	\$ 37,500.00
Mallard Lane - Storm Pipe, Pav Repair, Utility Relocation	\$ 81,250.00	LS	1	\$ 81,250.00	\$ -	\$ 81,250.00
Traffic Control	\$ 31,250.00	LS	2	\$ 62,500.00	\$ -	\$ 62,500.00
	\$ -		0	\$ -	\$ -	\$ -
	\$ -		0	\$ -	\$ -	\$ -
	\$ -		0	\$ -	\$ -	\$ -
	\$ -		0	\$ -	\$ -	\$ -
	\$ -		0	\$ -	\$ -	\$ -
TOTAL	\$ 233,562.50			\$ 2,994,816.25	\$ 185,625.00	\$ 3,180,441.25

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

Approximately \$40,000 annually: mowing, weeding, clearing of debris/trash, sodding & erosion repair

2. Identify and explain any special engineering activities.

Delimitation of upstream contributing area; sizing of pond, pipe and channel



Seal

Date:	9/24/2020
Phone Number:	(512) 912-5100

Signature of Registered Engineer/Architect Responsible
For Budget Justification:



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.

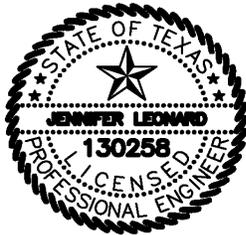
Applicant/Subrecipient:	City of Taylor					
Site/Activity Title:	Mustang Creek 20-acre Regional Detention Pond					
Eligible Activity:	Flood control and drainage improvements					
Materials/Facilities/Services	\$/Unit	Unit	Quantity	Construction	Acquisition	Total
Land Acquisition	\$ 468,750.00	LS	1	\$ -	\$ 468,750.00	\$ 468,750.00
Land Clearing & Grubbing	\$ 0.26	SY	145,200	\$ 38,115.00	\$ -	\$ 38,115.00
Erosion Control	\$ 40,625.00	LS	1	\$ 40,625.00	\$ -	\$ 40,625.00
Excavation / Fill	\$ 10.00	CY	96,800	\$ 968,000.00	\$ -	\$ 968,000.00
6" Top Soil	\$ 3.75	SY	96,800	\$ 363,000.00	\$ -	\$ 363,000.00
Spoils Haul Off	\$ 6.25	CY	90,578	\$ 566,112.50	\$ -	\$ 566,112.50
Stream Diversion Weir	\$ 18,750.00	LS	1	\$ 18,750.00	\$ -	\$ 18,750.00
Outfall Structure	\$ 25,000.00	LS	1	\$ 25,000.00	\$ -	\$ 25,000.00
Soil Retention Blanket	\$ 2.50	SY	96,000	\$ 240,000.00	\$ -	\$ 240,000.00
Native Seeding	\$ 2.50	SY	145,200	\$ 363,000.00	\$ -	\$ 363,000.00
Pond Maintenance Road	\$ 93.75	SY	278	\$ 26,062.50	\$ -	\$ 26,062.50
	\$ -		0	\$ -	\$ -	\$ -
	\$ -		0	\$ -	\$ -	\$ -
	\$ -		0	\$ -	\$ -	\$ -
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	\$ -		0	\$ -	\$ -	\$ -
	\$ -		0	\$ -	\$ -	\$ -
	\$ -		0	\$ -	\$ -	\$ -
TOTAL	\$ 553,244.01			\$ 2,648,665.00	\$ 468,750.00	\$ 3,117,415.00

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

Approximately \$50,000 annually: mowing, weeding, clearing of debris/trash, sodding & erosion repair

2. Identify and explain any special engineering activities.

Delimitation of upstream contributing area; sizing of pond, pipe and channel



Seal

Date:	9/24/2020
Phone Number:	(512) 912-5100

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

TABLE 1 - CONTRACT BUDGET AND BENEFICIARY IDENTIFICATION

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

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

BUDGET TABLE:

Project Title:	Total Benes	LMI Benes	LMI %	CDBG-DR Construction	CDBG-DR Engineering	CDBG-DR Acquisition	CDBG-DR Environmental	CDBG-DR Admin	Total CDBG-DR Request	Other Funds	Activity Total	+
# 03j Mustang Creek Regional Detention	15,840	9,300	58.71%	\$2,648,665.00	\$467,612.25	\$468,750.00	\$30,000.00	\$256,802.18	\$3,871,829.4	\$38,718.29	\$3,910,547.7	X
# 03j Bull Branch/Donna Channel Detention	15,840	9,300	58.71%	\$2,994,816.2	\$477,066.19	\$185,625.00	\$30,000.00	\$262,600.59	\$3,950,108.0	\$39,501.08	\$3,989,609.1	X
SUMMARY TOTALS:	31,680	18,600	58.71%	\$5,643,481.2	\$944,678.44	\$654,375.00	\$60,000.00	\$519,402.77	\$7,821,937.4	\$78,219.37	\$7,900,156.8	

Beneficiary Identification Method(s) Per Project:

03j Project Title: Mustang Creek regional Detention

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

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

Select Beneficiary Identification Method:

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

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

TxCDBG Survey: 0 HUD LMISD: 15,840 Area Benefit: 0 Housing Activity: 0 Limited Clientele: 0

Race	# Non-Hispanic Beneficiaries	# Hispanic Beneficiaries	Total Activity Beneficiaries	+
White	6,697	5,327	12,024	X
Black African American	1,512	14	1,526	X
American Indian/Alaskan native	34	15	49	X
Asian	100	0	100	X
Native Hawaiian / Other Pacific Islander	0	0	0	X
Black African American/White	84	21	105	X

American Indian/Alaskan Native/White	197	47	244	X
Asian/White	63	15	78	X
Other Multi-Racial	154	1,549	1,703	X
American Indian/Alaskan Native/Black African A	9	2	11	X
	8,850	6,990	15,840	
Gender	Total Males	Total Females	Total Benes	
	7887	7953	15840	

REQUIRED - Census Geographic Area Data											County Code	+
Identify the census tract and block group(s) in which the project will take place											491	
Census Tract (6-digit)	01	02	03	04	05	06	07	08	09	10	X	
0208.08	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
0209.00	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	X							
0210.00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	X							
0211.00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	X	
0212.01	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	X	
0212.02	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	X	
0212.03	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	X							

Project Title:

HUD National Objective:

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

Select Beneficiary Identification Method:

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

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

TxCDBG Survey: HUD LMISD: Area Benefit: Housing Activity: Limited Clientele:

Race	# Non-Hispanic Beneficiaries	# Hispanic Beneficiaries	Total Activity Beneficiaries	+
White	6,697	5,327	12,024	X

