

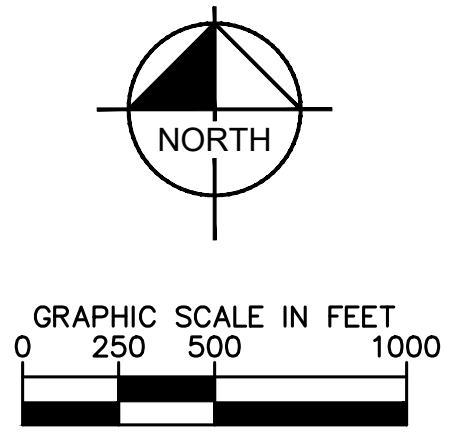
BASTROP, TEXAS, the county seat of Bastrop County, is located about thirty miles southeast of downtown Austin. The town is at the junction of State Highways 71, 21, and 95, and on the Colorado River. Bastrop has become the financial and business center of Bastrop County. Major infrastructure is located along the Colorado River through Bastrop including residential housing, retail, critical City water utility infrastructure (wells), major bridge crossings including the Texas 150 Loop vehicular bridge, the Highway 71 vehicular bridge, the historic Old Iron Bridge, park amenities, and major recreational trails that are an essential attraction. With the establishment of the Austin Bergstrom International Airport and the CODO racetrack within twenty minutes of Bastrop, the city continues a rapid paced growth. ACS data shows the city population at 9,242, quite literally, bursting at the seams. In recent years, flooding has been more pronounced and erosion, sedimentation, and scour along the river corridor has been a recurring problem.

Improvements along the Colorado River between Bob Bryant Park upstream of the City Center, and Highway 71 at the downstream end will consist of a variety of stabilization and erosion mitigation improvements. These improvements will help restore the river and remove sediment to restore/concentrate flow back to the middle of the channel which will help minimize erosion and scour along the banks which has caused damage to infrastructure and has compromised the stability of the riverbanks. In addition, the stabilization measures outlined will help protect the foundations of the two vehicular bridges and the historic pedestrian bridge that are located within the river floodway. Improvements will employ green infrastructure methods that will foster native riparian and aquatic growth.

LEGEND

APPROXIMATE FLOODWAY ZONE AE LIMITS	
APPROXIMATE 100-YEAR FLOODPLAIN LIMITS	
APPROXIMATE 500-YEAR FLOODPLAIN LIMITS	
EXISTING LIDAR TOPOGRAPHY	
CROSS SECTIONS WITH 1% ANNUAL CHANCE	
PROPOSED ROCK/BIOENGINEERING ARMOR	
PROPOSED RIPARIAN BUFFER ENHANCEMENTS/BANK PLANTINGS	
PROPOSED ROCK VANE (STREAM BARB)	
PROPOSED EARTHWORK ENHANCEMENTS	
PROPOSED SCOUR PROTECTION	

*APPROXIMATE FLOOD MAP INFORMATION PER FEMA FIRM PANEL NO. 48021C0355E EFFECTIVE 01/19/2006



COLORADO RIVER EXHIBIT - OVERALL
BASTROP, TX
September 10, 2020

LEGEND

APPROXIMATE FLOODWAY ZONE AE LIMITS

APPROXIMATE 100-YEAR FLOODPLAIN LIMITS

APPROXIMATE 500-YEAR FLOODPLAIN LIMITS

EXISTING LIDAR TOPOGRAPHY

CROSS SECTIONS WITH 1% ANNUAL CHANCE

PROPOSED ROCK/BIOENGINEERING ARMOR

PROPOSED RIPARIAN BUFFER ENHANCEMENTS/BANK PLANTINGS

PROPOSED ROCK VANE (STREAM BARB)

PROPOSED EARTHWORK ENHANCEMENTS

PROPOSED SCOUR PROTECTION

352.66

*APPROXIMATE FLOOD MAP INFORMATION PER FEMA
FIRM PANEL NO. 48021C0355E EFFECTIVE 01/19/2006

NORTH

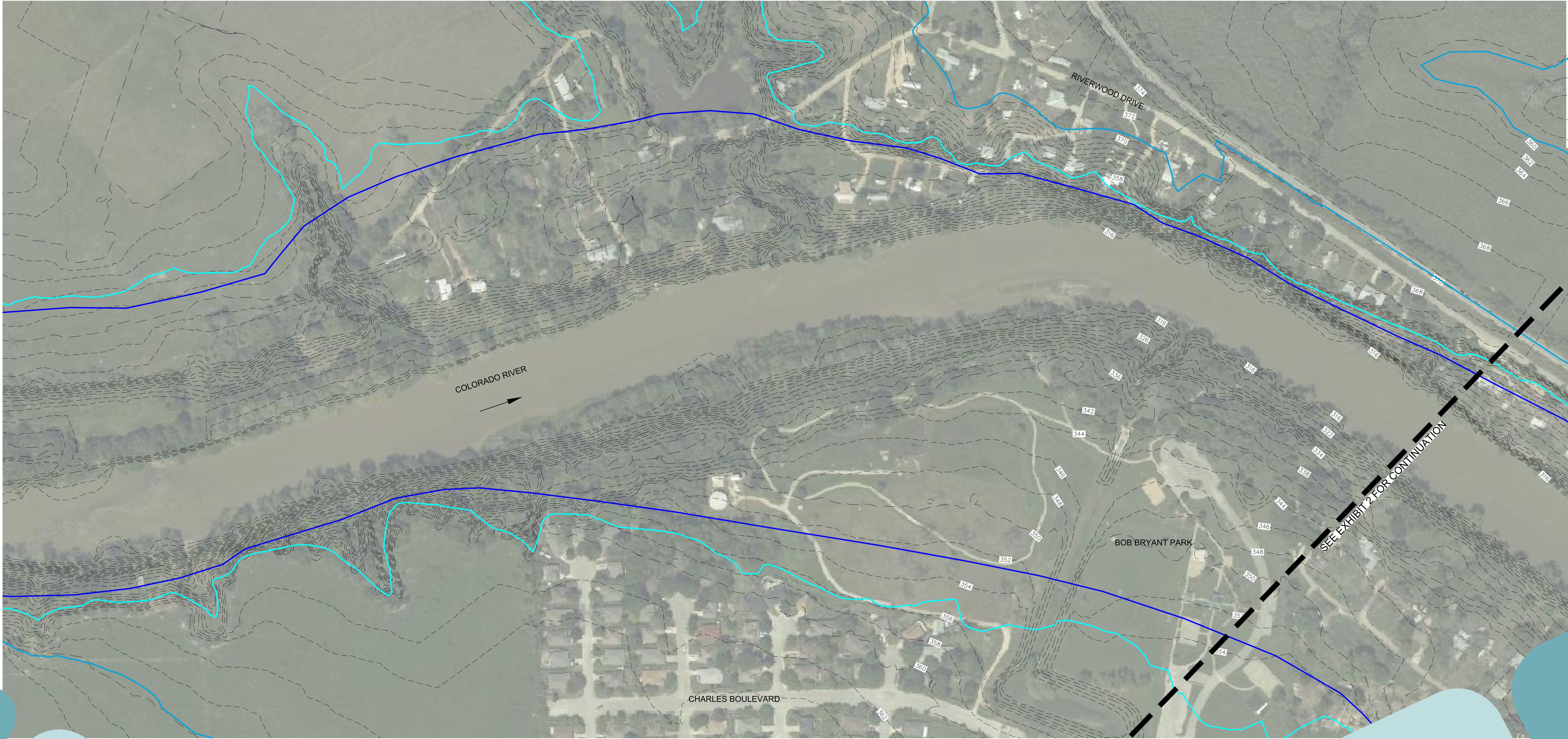
GRAPHIC SCALE IN FEET

0

75

150

300



COLORADO RIVER EXHIBIT - 1 OF 3
BASTROP, TX
September 10, 2020

LEGEND

APPROXIMATE FLOODWAY ZONE AE LIMITS

APPROXIMATE 100-YEAR FLOODPLAIN LIMITS

APPROXIMATE 500-YEAR FLOODPLAIN LIMITS

EXISTING LIDAR TOPOGRAPHY

CROSS SECTIONS WITH 1% ANNUAL CHANCE

PROPOSED ROCK/BIOENGINEERING ARMOR

PROPOSED RIPARIAN BUFFER ENHANCEMENTS/BANK PLANTINGS

PROPOSED ROCK VANE (STREAM BARB)

PROPOSED EARTHWORK ENHANCEMENTS

PROPOSED SCOUR PROTECTION

352.66

*APPROXIMATE FLOOD MAP INFORMATION PER FEMA FIRM PANEL NO. 48021C0355E EFFECTIVE 01/19/2006

COLORADO RIVER EXHIBIT - 2 OF 3
BASTROP, TX
September 10, 2020

DWG NAME: K:\LAC_CIVIL_MARKETING\BASTROP\2020 GLO HAZ MIT\CAD\EXHIBITS\AERIAL EXHIBITS.DWG
LAST SAVED: 9/10/2020 4:53 PM

LEGEND

APPROXIMATE FLOODWAY ZONE AE LIMITS

APPROXIMATE 100-YEAR FLOODPLAIN LIMITS

APPROXIMATE 500-YEAR FLOODPLAIN LIMITS

EXISTING LIDAR TOPOGRAPHY

CROSS SECTIONS WITH 1% ANNUAL CHANCE

PROPOSED ROCK/BIOENGINEERING ARMOR

PROPOSED RIPARIAN BUFFER ENHANCEMENTS/BANK PLANTINGS

PROPOSED ROCK VANE (STREAM BARB)

PROPOSED EARTHWORK ENHANCEMENTS

PROPOSED SCOUR PROTECTION

352.66

*APPROXIMATE FLOOD MAP INFORMATION PER FEMA FIRM PANEL NO. 48021C0355E EFFECTIVE 01/19/2006

SEE EXHIBIT 2 FOR CONTINUATION

COLORADO RIVER EXHIBIT - 3 OF 3
BASTROP, TX
September 10, 2020

DWG NAME
LAST SAVED
K:\LAC_CIVIL\MARKETING\BASTROP\2020 GLO HAZ MIT\CAD\EXHIBITS\AERIAL EXHIBITS.DWG
9/10/2020 4:53 PM



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.

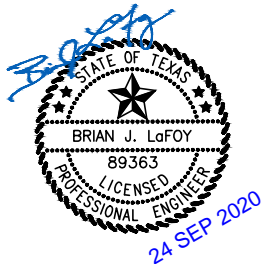
Applicant/Subrecipient:	City of Bastrop					
Site/Activity Title:	Colorado River					
Eligible Activity:	Flood control and drainage improvements					
Materials/Facilities/Services	\$/Unit	Unit	Quantity	Construction	Acquisition	Total
Mobilization, Bonds and Insurance	\$500,000.00	LS	1	\$ 500,000.00	\$ -	\$ 500,000.00
Temporary Construction Erosion Control	\$20,000.00	LS	1	\$ 20,000.00	\$ -	\$ 20,000.00
Temporary Construction Sedimentation Control (Navigable Waterway)	\$50,000.00	LS	1	\$ 50,000.00	\$ -	\$ 50,000.00
Temporary Traffic Control	\$25,000.00	LS	1	\$ 25,000.00	\$ -	\$ 25,000.00
Temporary Traffic Control (Navigable Waterway)	\$25,000.00	LS	1	\$ 25,000.00	\$ -	\$ 25,000.00
Site Preparation, Access and Dewatering	\$900,000.00	LS	1	\$ 900,000.00	\$ -	\$ 900,000.00
Earthwork with Onsite Material	\$50.00	CY	35000	\$ 1,750,000.00	\$ -	\$ 1,750,000.00
Earthwork with Import Material	\$50.00	CY	25000	\$ 1,250,000.00	\$ -	\$ 1,250,000.00
36" Stone Riprap/Bioengineering Armor	\$390.00	CY	8900	\$ 3,471,000.00	\$ -	\$ 3,471,000.00
36" Stone Riprap Scour Protection at bridge	\$300.00	CY	900	\$ 270,000.00	\$ -	\$ 270,000.00
Rock Vanes	\$350.00	CY	2400	\$ 840,000.00	\$ -	\$ 840,000.00
Riparian Buffer	\$480.00	LF	3457	\$ 1,659,360.00	\$ -	\$ 1,659,360.00
Site Restoration for Access and Work Areas	\$50,000.00	LS	1	\$ 50,000.00	\$ -	\$ 50,000.00
				\$ -	\$ -	\$ -
				\$ -	\$ -	\$ -
				\$ -	\$ -	\$ -
	\$ -			\$ -	\$ -	\$ -
TOTAL				\$ 10,810,360.00	\$ -	\$ 10,810,360.00

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

Annual costs are minimal with likely only vegetation maintenance.

2. Identify and explain any special engineering activities.

Hydraulic Modeling, Slope Stability, Structural Engineering, Environmental Engineering



Seal

Date:	
Phone Number:	

Signature of Registered Engineer/Architect
Responsible For Budget Justification:

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	+
# 03i	Riverbank Stabilization	8,740	4,500	51.49%	10,810,000	\$1,621,500.00	\$0.00	\$30,000.00	\$964,520.00	13,426,020	\$134,260.20	13,560,280.2	X
SUMMARY TOTALS:		8,740	4,500	51.49%	10,810,000	\$1,621,500.00	\$0.00	\$30,000.00	\$964,520.00	13,426,020	\$134,260.20	13,560,280.2	

Beneficiary Identification Method(s) Per Project:

03i

Project Title: Riverbank Stabilization

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:

8,740

Area Benefit:

0

Housing Activity:

0

Limited Clientele:

0

Race	# Non-Hispanic Beneficiaries	# Hispanic Beneficiaries	Total Activity Beneficiaries	+
White	5,787	1,498	7,285	X
Black African American	831	75	906	X
American Indian/Alaskan native	63	0	63	X
Asian	171	0	171	X
Black African American/White	0	0	0	X
American Indian/Alaskan Native/White	15	22	37	X
Asian/White	6	8	14	X

Other Multi-Racial	18	246	264	X
	6,891	1,849	8,740	
Gender	Total Males	Total Females	Total Benes	
	4539	4201	8740	

REQUIRED - Census Geographic Area Data								County Code			+
Identify the census tract and block group(s) in which the project will take place								021			
								<u>Census Tract (6-digit)</u>	01	02	03
9503.00	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<u>Census Tract (6-digit)</u>	01	02	03	04	05	06	07	08	09	10	X
9504.00	<input checked="" type="checkbox"/>	<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"/>	
<u>Census Tract (6-digit)</u>	01	02	03	04	05	06	07	08	09	10	X
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<u>Census Tract (6-digit)</u>	01	02	03	04	05	06	07	08	09	10	X
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Click here to ADD ANOTHER Table 1

Click here to REMOVE the last Table 1