PUBLIC NOTICE AUSTIN COUNTY

COMMUNITY DEVELOPMENT BLOCK GRANT PROGRAM TEXAS GENERAL LAND OFFICE 2020 MITIGATION APPLICATION

Austin County is giving notice of the County's intent to submit a Community Development Block Grant Program Mitigation Application(s) to assist the community with Mitigation efforts through the following Infrastructure activities:

Step 1 – Create a Diversion Channel at a point downstream of Sealy and San Felipe and upstream of Wallis that would allow excess flood waters to be diverted into the reservoir.

Step 2 – Develop the drainage Corridors upstream of the diversion to allow for increased storage and increased capacity within dedicated drainage corridors.

The total project cost will be: \$37,310,397. This application is available for review on the County's website www.austincounty.com. Citizens are welcome to review this application for a 30-day public comment period and provide all public comment to Shannon Hanath via email at shannonh@austincounty.com or at Austin County Courthouse located at 1 East Main, Bellville, Texas 77418 during regular business hours. For further information, contact Shannon Hanath, at 979-865-9157.

I, Shannon Hanath, certify that this notice was posted to the Austin County Courthouse Lobby as well as the Austin County website for public participation on September 25, 2020. This notice is to remain posted until October 25, 2020.

Shannon Hanath

Administrative Assistant to Road & Bridge

ALLENS CREEK MITIGATION GRANT SCOPE OF WORK

Project Purpose

Flooding in Austin County is a frequent natural hazard that risks human life and property. In the past 5 years the South end of Austin County has been impacted by 6 strangling flood events including 4 declared flood related disasters DR 4269, 4272, 4332, and 4377.

These floods, in addition to causing tremendous damage repeatedly to personal and commercial property, severely hamper the mobility of the public and first responders. Fortunately, loss of lives have been extremely minimal for Austin County.

The population of south Austin County is concentrated within the City of Wallis, City of Sealy and the Town of San Felipe. In addition to the recognized events from the last 5 years, these communities have been working on numerous defined solutions and master drainage plans for 50 to 60 years.

The Allens Creek watershed is the primary collector and outfall for these communities as well as south Austin County. The south half of the City of Sealy drains into the Northwest Main Tributary which merges 5 miles downstream with the Northeast Main Tributary before then meandering 10 more miles before emptying into the Brazos River just east of the City of Wallis. Likewise, the south 2/3rds of the Town of San Felipe drains into the aforementioned Northeast Tributary which too meanders 5 mile before merging with the Northwest Tributary. And finally, the east half of the City of Wallis drains into the Main Tributary just upstream of its confluence with the Brazos River.

Project Dilemma

Significant solutions are severely limited due to the inability of Allens creek downstream of these communities to accommodate any increases in runoff and the inability of the local agencies to take ownership of a real solution.

Project Goal

To find a way to increase the capacity of the Outfall Tributaries of Allen's Creek and at the same time provide increased storage within the upper reaches.

Project Solution

Over the past centuries the Brazos River channel has snaked back and forth across a floodplain that today is 10 miles wide at its widest in south Austin County. At that point halfway downstream of Sealy and San Felipe, Allen's Creek runs in a southerly direction a couple thousand feet west of and parallel to the 35-foot bluff above the Brazos River floodplain.

In the early 1970's the key piece to the primary solution emerged. In 1973, a major power plant was proposed in south Austin county. The creation of the power plant resulted in procuring almost 100% of the Brazos River floodplain property in Austin County which just happened to lay just east of the most of the Allens creek path. This floodplain area has existed since then as a "proposed" reservoir. Community leaders in all three communities have recognized that this proposed reservoir could help remedy the increased runoff volumes created by mitigation projects within each community.

The future reservoir property today is owned by the Brazos River Authority. Over the last several years Austin County has worked closely with the Brazos River Authority to develop an understanding that would allow for excess runoff DIVERTED from Allens Creek to flow through the proposed reservoir instead of around it

This still left the issue of getting the floodwaters from the three communities across miles and acres of the Allens Creek watershed into the reservoir. Recent meetings with the Corps of Engineers on other local projects created an opportunity to discuss planning necessary for future growth. The core of the was clear in their position that the conveyances would not look like the urban bayous of Houston and its sister counties. The Corps advised that all the public shareholders get together and agree on a solution that did not include creating a channel 10 times wider and deeper than the existing channel. The solution they suggested was a wide natural flowing flow path that comprised most of the floodplain in the undeveloped portions of the watershed. Additionally, the modification to the main channel within these corridors would only be to create a clear flow path and cross-section. Deep parallelogram cross-section would not be at the top of likely solutions.

Step 1 -Create a Diversion Channel at a point downstream of Sealy and San Felipe and upstream of Wallis that would allow excess flood waters to be diverted into the reservoir.

Step 2 – Develop the drainage Corridors upstream of the diversion to allow for increased storage and increased capacity within dedicated drainage corridors.

Project Definition

Geographically the project is divided into the North Sector and the South Sector. The north sectorhalf is composed of Four (4) distinct sections.

NORTH SECTOR

REACH 1) Northwest Tributary (AC1.1 to 1.8) – 10,600 LF Urban Section upstream of the Railroad Trestle at Hwy 36 South in Sealy,

REACH 2) Northwest Tributary (AC1.9 to 1.11) – 9,700 LF Rural Section between the Trestle and the Merge,

REACH 3) Northeast Tributary AC 2.1 and 2.2) -9,600 LF Rural Section between FM 1458 in San Felipe and the Merge

REACH 4) Main Channel (AC3.1 to 3.5) Probable 16,500 LF Rural Section with a 3100 LF Diversion Channel

<u>NORTH SECTOR - REACH 1)</u> AC-1.1 through AC-1.8 are the urban section of this tributary. Improvements of these reaches will provide flood relief to area and to each of the road crossing constraints.

There will be increased Storage or Detention created in section AC-1.1, AC-1.2, AC-1.4 and AC-1.6. The culvert capacity will be increased only at the 3 existing constricting sections downstream of I-10. Thos included additional culverts at Gebhardt road and jacked in 48" pipe beneath Hwy 36 and the Railroad Trestle. The existing developed channel will only receive only a regrading of the side slopes and the channel bottom to provide a continuous flowing grade.

NORTH SECTOR - REACH 2) AC-1.9 through AC-1.11

A1.9 & 1.10 is a combined 6900 LF existing channel that traverses open pasture between the railroad trestle to Stockold Road. This upper section is proposed to have an ~10-acre detention area procured and created. The extreme south end upstream of Stockold road will be re-routed to provide a better hydraulic and naturalized crossing of the road right of way. These two sections are the first to set aside with naturalized corridors. The culverts at the new Stockold Crossing are proposed to be

A1.11 is the naturalized corridor between Stockold Road and the merge (Confluence) of the NW Tributary (AC-1) and NE Tributary (AC-2). This section is proposed to be 500 feet wide, 3000 LF long and will require procurement.

NORTH SECTOR - REACH 3) AC-2.1 and AC-2.2 AND AC3.1 to 3.5

AC2 and AC3 collectively are 38,250 LF and individually are 18280 LF and 19970 LF. There are three conceptual diversion locations on the lower end of the Reach 3. The most probable diversion based upon current understandings will be at the end of all 3 or at the end of Section 3.3.

- o Diversion 1 is 3100 ft long and 120' wide. There are no drive or culvert crossings proposed.
- o Diversion 2 is 3370 ft long and 120' wide. There are no drive or culvert crossings proposed.
- Diversion 3 is 6400 ft long and 120' wide. It will require one public road crossing Special energy dissipaters will be required at any terminus into the reservoir.

SOUTH SECTOR

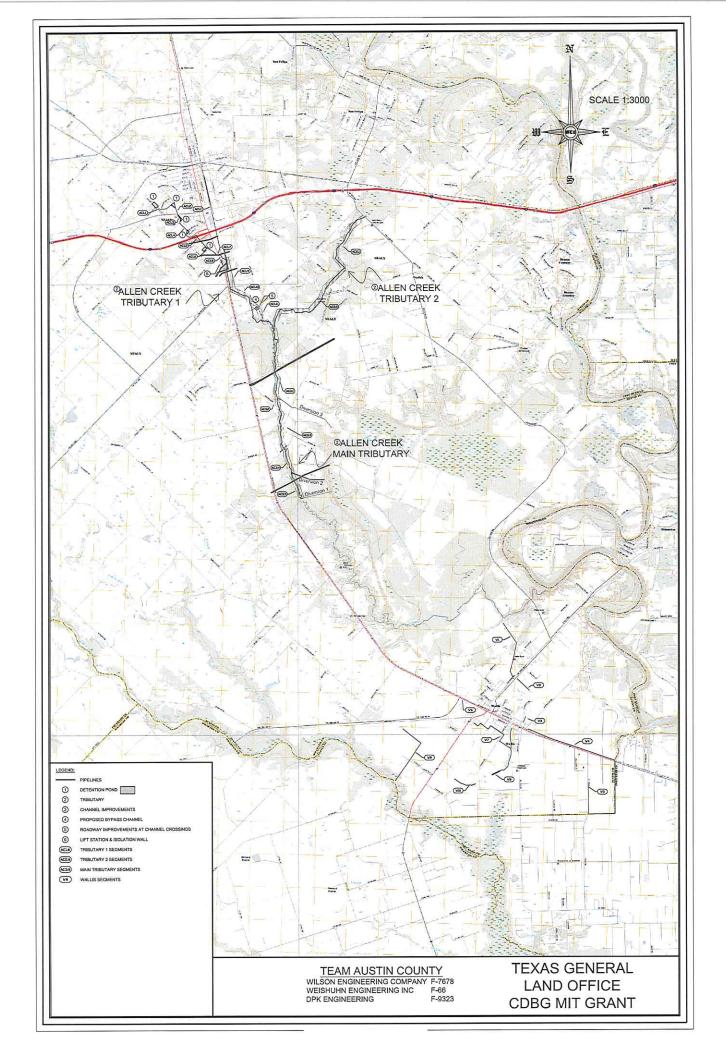
The South Sector is defined by ten (10) smaller localized projects draining the waters of Wallis in all directions away from the town. The creation of the diversion into the reservoir upstream of Wallis allows for several of these localized projects to come to reality. All of these projects will help convey runoff away from the Town of Wallis into a primary outfall into either the bottom reach of Allens Creek, a primary outfall (Elm's Slough) into the San Bernard River or a primary outfall into the Brazos River just south of Wallis and Austin County

- W-1 Columbus Road Outfall 7500LF Channel Excavation
- W-2 FM1093 Blazek Detention Two 3x 4 Box Culverts 2000 LF Berm and 8' Flat Bottom Ditch
- W-3 Lakeview Detention 3200 LF of Berm and 8' Flat Bottom
- W-4 Old Orchard Hwy Ditch 9750 LF Ditch Excavation 3 Large Diameter Culvert Road Crossings
- W-5 Brazos High School Outfall 4,000 LF of Existing Roadside Ditch and 8300 LF of Outfall Ditch
- W-6 Wallis Nature Park Outfall 3x3 Box Culvert and 800 LF Ditch
- W-7 Southwest By-Pass to Elm Slough 6000 LF Ditch Excavation 3 Small Diameter Culvert Crossings
- W-8 Elm Slough Improvement @ Cemetery 6300 LF of Existing Elm Slough to remove silting
- W-9 Norcross Road By Pass- 6000 LF- 50' Ditch Excavation 3 Large Diameter Culvert Road Crossings
- W-10 Mynarik Park Outfall 2750 LF Ditch Excavation Dual 18"" Road Crossings

PROJECT ADMINISTRATION

An engineering firm will oversee the entire project along with the following:

- 1 $\stackrel{\sim}{\sim}$ Project Manager: Oversee all aspects of the project from preliminary design through construction
- 1 \sim Project Engineer: Prepare design plans and bid documents, assist with solicitation of bids, bid award, contract preparation, pre-construction meeting, construction management, shop drawing review, periodic site visits, and any project closeout documentation.
- 1 $^{\sim}$ Project Engineer: Update hydrology and hydraulics studies, assist with creation of construction plans in conformance with the studies.
- $1 \sim$ Project Engineer: Permit Coordination for all Local State and Federal Permitting. Assist with creation of construction plans in conformance with the permitting.
- 3 ~ Engineer in Training (EIT): Assist project engineer with tasks described above
- 1 ~ Registered Professional Surveyors and Survey Field Crew: Perform topographic and geotechnical survey for design of improvements (as needed)
- 1 ~ Grant Project Manager Procurement and Contractor and Subconsultant Coordination Recordkeeping (Notice of Award/contract execution kick-off meeting, startup documentation, establish files, maintain records, progress meetings), Reimbursement/Financial Management, Design Phase/Bids/Construction Compliance, Quarterly Reporting, Close-out/Completion



BUDGET TABLE: Total LMI CDBG-DR CDBG-DR CDBG-DR CDBG-DR LMI CDBG-DR CDBG-DR Other Activity + Project Title: Funds Benes Benes % Construction Engineering Acquisition Environmenta Admin Request Total 54.04% 30,607,381 3 \$2,081,909.3 \$373,103.98 # 03i Allen Creek Mitigation 8,590 4,642 \$4,591,107.2 \$30,000.00 37,310,397.8! 37,683,501.8 \$0.00 x SUMMARY TOTALS: 8,590 4,642 30,607,381.3 \$4,591,107.2 \$0.00 \$2,081,909.3 37,310,397.89 \$373,103,98 37,683,501.8 54.04% \$30,000.00 Beneficiary Identification Method(s) Per Project: # 03i Project Title: Allen Creek Mitigation **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. How many families surveyed will be assisted by this activity? 478 How many housing units surveyed will be assisted by this activity? 478 When was the survey started? 5/9/2019 When was the survey completed? 6/16/2019 Provide a detailed explanation of the reason a survey was used to identify the beneficiaries for this activity as opposed to using the applicable HUD LMISD information. A response such as "...to reach the required low-and-moderate income percentage" is not acceptable. Beneficiary information for the City of Wallis was used to provide a more accurate count of the true LMI beneficiaries within the City limits. This survey data was combined witht he HUD LMISD data to provide a complete representation of beneficiaries served for this project 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: 8,590 Area Benefit: 0 Housing Activity: 0 Limited Clientele: 0 # Non-Hispanic # Hispanic Total Activity Race Beneficiaries Beneficiaries Beneficiaries

6,919

763

X

X

White

Black African American

V

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5,383

748

1,536

American Indian/Alaskan native	•	14	0	14	x	REQUIRED - C								Coun	ty Co	de	+
Asian	•	26	0	26	x	Identify the census tract and	-	roup(s) ace	m wh	ich the	project	Will ta	ike		015		
Black African American/White	•	47	11	58	x	Census Tract (6-digit)	01	02	03	04	05	06	07	08	09	10	X
American Indian/Alaskan Native/White	•	31	7	38	х	7602.00	\boxtimes	100	\boxtimes	\boxtimes	L		M				
Asian/White	•	36	8	44	x	Census Tract (6-digit)	01	02	03	04	05	06	07	08	09	10	X
Other Multi-Racial	•	33	695	728	x	7603.00		Ш		\boxtimes	91	HO	B II	Ø,	Œ.		
		6,318	2,272	8,590		Census Tract (6-digit)	01	02	03	04	05	06	07	80	09	10	×
Gender		Total Males	Total Females	Total Benes	X 7603.00	\boxtimes	ti di							FINE .	ĦJ.		
		4266	4324	8590													



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:	Austin Coun	ty Texas								
Site/Activity Title:	Summary									
Eligible Activity:	Flood Contri	ol and Drai	inage Impr	ovements						
Materials/Facilities/Services	\$/Unit	8	Unit	Quantity	Cons	struction	Acq	uisition		Total
AC-1.1	\$	- LS		1	\$	3.5	\$		\$	295,000.00
AC-1.2	\$	- LS		1	\$		\$		\$	163,400.00
AC-1.3	\$	- LS		1	\$	(*)	\$	-	\$	206,875.00
AC-1.4	\$	- LS		1	\$		\$		\$	495,625.00
AC-1.5	\$	- LS		1	\$	120	\$		\$	368,750.00
AC-1.6	\$	- LS		1	\$		\$		\$	156,250.00
AC-1.7	\$	- LS		1	\$	929	\$	- 2	\$	1,149,500.00
AC-1.8	\$	- LS		1	\$		\$		\$	1,216,000.00
AC-1.9	\$	- LS		1	\$		\$	•	\$	1,166,422.22
AC-1.10	\$	- LS		1	\$		\$		\$	194,692.50
AC-1.11	\$	- LS		1	\$		\$	-	\$	184,562.00
AC-2.1	\$	- LS		1	\$		\$		\$	303,250.00
AC-2.2		- LS		1	\$	(*)	\$	-	\$	94,250.00
AC-3.1	s	- LS		1	\$		S		\$	95,934.50
AC-3.2	\$	- LS		1	\$		\$	-	\$	634,440.50
AC-3.3	\$	- LS		1	\$		\$		\$	683,347.50
AC-3.4	\$	- LS		1	\$		\$		\$	55,310.50
AC-3.5	\$	- LS		1	\$		\$	ş	\$	58,723.50
D-1	\$	- LS		1	\$	100	\$		\$	840,503.00
D-2	\$	- LS		1	S		s		s	1,120,753.00
D-3		- LS		1	\$	-	\$		\$	1,505,128.00
W-1		- LS		1		722	\$	- 2	\$	764,695.00
W-2	s	- LS		1	\$		\$		\$	222,050.00
W-3	\$	- LS		1	\$		\$	-	\$	338,762.50
W-4	\$	- LS		1	\$	850	\$		\$	1,222,781.25
W-5	\$	- LS		1	\$	3.00	\$		\$	197,500.00
W-6	\$	- LS		1	\$		\$	-	\$	31,461.00
W-7	\$	- LS		1	\$	(*)	\$		\$	344,515.25
W-8	\$	- LS		1	\$		\$		\$	759,380.00
W-9	\$	- LS		1	\$		\$	- 2	\$	208,854.31
W-10	\$	- LS		1	\$	5.5	\$		\$	307,841.00
SUBTOTAL	\$	- LS		1	\$		\$		\$	15,386,557.53
Engineering @ 15%	\$	- LS		1	\$		\$	-	\$	2,307,983.63
		- LS		1		300	\$		\$	
TOTAL	\$				\$		\$		\$	17,694,541.16

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

2. Identify and explain any special engineering activities.

Date:	9/24/2020
Phone Number:	979 885 3344

Signature of Registered Engineer/Architect Responsible For Budget Justification:

Seal

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 cons	truction.					
Applicant/Subrecipient:	Austin County 1	exas		, –				
Site/Activity Title:	AC-1.1 KC DITC	4						
Eligible Activity:	Flood Control a	nd Drainage Imp	rovements					
Materials/Facilities/Services	\$/Unit	Unit	Quantity	C	onstruction	Acq	uisition	Total
Real Estate Acquistion	\$ -	SY	14520	\$	2#1	\$		\$
Excavation	\$ 2.50	CY	13000	\$	32,500.00	\$		\$ 32,500.00
Spoil Transport & Disposal	\$ 5.00	CY	13000	\$	65,000.00	\$	-	\$ 65,000.00
Grading	\$ 1.25	SY	15200	\$	19,000.00	\$		\$ 19,000.00
Hydroseeding	\$ 2.50	SY	15200	\$	38,000.00	\$		\$ 38,000.00
Erosion Control	\$ 12,500.00	LS	1	\$	12,500.00	\$		\$ 12,500.00
Fencing	\$ -	LF	20	\$	(#):	\$	2	\$ - 14
All Weather Road	\$ 37.50	SY	200	\$	7,500.00	\$	- 2	\$ 7,500.00
Reshape Channel	\$ 50.00	LF	2100	\$	105,000.00	\$	3	\$ 105,000.00
Channel Hydroseeding	\$ 2.50	SY	6200	\$	15,500.00	\$	*	\$ 15,500.00
TOTAL				\$	295,000.00	\$		\$ 295,000.00

I. Identify and explain the annual projected operation and maintenance costs associated with the proposed activities.
 Electricity, pump maintenance, mowing & debris removal.
 I Identify and explain any special engineering activities.
 Detention Pond Design

Date: 9/24/2020 Phone Number: 979 885 3344

Signature of Registered Engineer/Architect Responsible For Budget Justification:

3.15 ACRES 3.15 ACRES
ACRES
Eagle Lake Road
Shadowlake Drive
Detn 600x200

Three - 24"
2 - 48" Culverts
2.754821
120000 13333.33

1 3.1415 9.4245 2 12.566 25.132

15200 136800 3.140496

3 4840



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:	Austin County	Texas						
Site/Activity Title:	AC-1.2 SISD DI	ГСН						
Eligible Activity:	Flood Control a	nd Drainage Imp	rovements					
Materials/Facilities/Services	\$/Unit	Unit	Quantity	С	onstruction	Acc	quisition	Total
Real Estate Acquistion	\$ -	SY	9680	\$	(#)	\$	-	\$ 14
Excavation	\$ 2.50	CY	9680	\$	24,200.00	\$		\$ 24,200.00
Spoil Transport & Disposal	\$ 5.00	CY	9680	\$	48,400.00	\$	959	\$ 48,400.00
Grading	\$ 1.25	SY	9680	\$	12,100.00	\$		\$ 12,100.00
Hydroseeding	\$ 2.50	SY	9680	\$	24,200.00	\$	-	\$ 24,200.00
Erosion Control	\$ 12,500.00	LS	1	\$	12,500.00	\$	25	\$ 12,500.00
Fencing	\$ -	LF	20	\$	E#3	\$	141	\$ 8=1
All Weather Road	\$ 37.50	SY	200	\$	7,500.00	\$	-	\$ 7,500.00
Reshape Channel	\$ 50.00) LF	600	\$	30,000.00	\$		\$ 30,000.00
Channel Hydroseeding	\$ 2.50	SY	1800	\$	4,500.00	\$	94	\$ 4,500.00
TOTAL				\$	163,400.00	\$		\$ 163,400.00

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

Seal

Electricity, pump maintenance, mowing & debris removal.

2. Identify and explain any special engineering activities.

Detention Pond Design

Date:	9/24/2020
Phone Number:	979 885 3344

Signature of Registered Engineer/Architect Responsible For Budget Justification:

2 ACRES

9680 87120 66000 1.515152



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:	Austin County T	exas				
Site/Activity Title:	AC-1.3 SAFETY C	ENTER DITCH				
Eligible Activity:	Flood Control ar	nd Drainage Imp	rovements			
Materials/Facilities/Services	\$/Unit	Unit	Quantity	Construction	Acquisition	Total
Real Estate Acquistion	\$ -	SY	0	\$ -	\$ -	\$ -
Excavation	\$ 2.50	CY	10000	\$ 25,000.00	\$ -	\$ 25,000.00
Spoil Transport & Disposal	\$ 5.00	CY	10000	\$ 50,000.00	\$ -	\$ 50,000.00
Grading	\$ 1.25	SY	12100	\$ 15,125.00	\$ -	\$ 15,125.00
Hydroseeding	\$ 2.50	SY	12100	\$ 30,250.00	\$ -	\$ 30,250.00
Erosion Control	\$ 12,500.00	LS	1	\$ 12,500.00	\$ -	\$ 12,500.00
Fencing	\$ -	LF	0	\$ -	\$ -	\$ -
All Weather Road	\$ 37.50	SY	0	\$ -	\$ -	\$ -
Reshape Channel	\$ 50.00	LF	930	\$ 46,500.00	\$ -	\$ 46,500.00
Channel Hydroseeding	\$ 2.50	SY	11000	\$ 27,500.00	\$ -	\$ 27,500.00
TOTAL				\$ 206,875.00	\$ -	\$ 206,875.00

Identify and explain the annual projected operation and maintenance costs associated with the proposed activities.
 Mowing & debris removal

Seal

Identify and explain any special engineering activities.

Erosion Control Design

Date:	9/24/2020
Phone Number:	979 885 3344

Signature of Registered Engineer/Architect Responsible For Budget Justification:



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:	Austin County To	exas				
Site/Activity Title:	AC-1.4 REXVILLE	/I-10 DITCH				
Eligible Activity:	Flood Control ar	nd Drainage Impr	ovements			
Materials/Facilities/Services	\$/Unit	Unit	Quantity	Construction	Acquisition	Total
Real Estate Acquistion	\$ -	SY	0	\$ -	\$ -	\$ -
Excavation-Channel Widening(CW)	\$ 2.50	CY	30000	\$ 75,000.00	\$ -	\$ 75,000.00
Spoil Transport & Disposal(CW)	\$ 5.00	CY	30000	\$ 150,000.00	\$ -	\$ 150,000.00
Grading(CW)	\$ 1.25	SY	18500	\$ 23,125.00	\$ -	\$ 23,125.00
Hydroseeding(CW)	\$ 2.50	SY	18500	\$ 46,250.00	\$ -	\$ 46,250.00
Erosion Control	\$ 12,500.00	LS	4	\$ 50,000.00	\$ -	\$ 50,000.00
Fencing	\$ -	LF	0	\$ -	\$ -	\$ -
All Weather Road	\$ 37.50	SY	0	\$ -	\$ -	\$ -
Reshape Channel	\$ 50.00	LF	2100	\$ 105,000.00	\$ -	\$ 105,000.00
Channel Hydroseeding	\$ 2.50	SY	18500	\$ 46,250.00	\$ -	\$ 46,250.00
TOTAL		Pull-Tacket		\$ 495,625.00	\$ -	\$ 495,625.00

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

Seal

Mowing & debris removal

2. Identify and explain any special engineering activities.

Erosion Control Design

Pilone Number: 19/9 885 334
Phone Number: 979 885 334

Signature of Registered Engineer/Architect Responsible For Budget Justification: 2100

810000 18.59504



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:	Austin C	County Te	xas								
Site/Activity Title:	AC-1.5 I	-10 CROS	SING to Gebhar	dt Rd							
Eligible Activity:	Flood Co	ontrol and	d Drainage Impr	ovements							
Materials/Facilities/Services	\$/0	Jnit	Unit	Quantity	С	onstruction	A	cquisition	Total		
ADD 6' x 6' Box Culverts	\$ 2	,500.00	LF	140	\$	350,000.00	\$	-	\$	350,000.00	
Hydroseeding	\$	2.50	SY	500	\$	1,250.00	\$	(5)	\$	1,250.00	
Erosion Control	\$ 12	,500.00	LS	1	\$	12,500.00	\$	175	\$	12,500.00	
Reshape Channel	\$	50.00	LF	100	\$	5,000.00	\$	1000	\$	5,000.00	
TOTAL				i jes värret myh	\$	368,750.00	\$	175	\$	368,750.00	

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

Seal

2. Identify and explain any special engineering activities. Erosion Control Design & TxDOT permitting

Date: 9/24/2020 Phone Number: 979 885 3344

Signature of Registered Engineer/Architect Responsible For Budget Justification:



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:	Austin County Te	exas						
Site/Activity Title:	AC-1.6 WALMAR	TNORTH						
Eligible Activity:	Flood Control an	d Drainage Impr	ovements					
Materials/Facilities/Services	\$/Unit	Unit	Quantity	Co	onstruction	Acq	uisition	Total
Real Estate Acquistion	\$ -	SY	7650	\$	1	\$	-	\$ 2
Excavation	\$ 2.50	CY	12000	\$	30,000.00	\$	121	\$ 30,000.00
Spoil Transport & Disposal	\$ 5.00	CY	12000	\$	60,000.00	\$	(4)	\$ 60,000.00
Grading	\$ 1.25	SY	6000	\$	7,500.00	\$		\$ 7,500.00
Hydroseeding	\$ 2.50	SY	6000	\$	15,000.00	\$	X#0	\$ 15,000.00
Erosion Control	\$ 12,500.00	LS	1	\$	12,500.00	\$	S#3	\$ 12,500.00
Fencing	\$ -	LF	0	\$		\$	-	\$ *
All Weather Road	\$ 37.50	SY	0	\$	-	\$	-	\$ 2
Reshape Channel	\$ 50.00	LF	0	\$	(4)	\$		\$ -
Channel Hydroseeding	\$ 2.50	SY	0	\$	*	\$		\$ -
Discharge Piping	\$ 31,250.00	LS	1	\$	31,250.00	\$	18/	\$ 31,250.00
TOTAL		W 1985		\$	125,000.00	\$	(#E	\$ 156,250.00

 Identify and explain the annual projected operation and maintenance costs associated with the proposed activities. 	
Mowing & debris removal	

Identify and explain any special engineering activities.

Seal

Froci	On	Contro	Design

Date:	9/24/2020
Phone Number:	979 885 3344

Signature of Registered Engineer/Architect Responsible For Budget Justification: 68800 7644.444



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:	Aus	stin County T	exas										
Site/Activity Title:	AC-	1.7 WALMAF	RTSOL	JTH									
Eligible Activity:	Flo	Flood Control and Drainage Improvements											
Materials/Facilities/Services		\$/Unit		Unit Quantity		Construction		Acquisition			Total		
Jack 5' Dia. Steel Pipes under SH 36	\$	937.50	LF		1200	\$	-	\$	1,125,000.00	\$	1,125,000.00		
Excavation	\$	2.50	CY		1300	\$	3,250.00	\$	100	\$	3,250.00		
Spoil Transport & Disposal	\$	5.00	CY		1300	\$	6,500.00	\$	J#2	\$	6,500.00		
Grading	\$	1.25	SY		600	\$	750.00	\$	-	\$	750.00		
Hydroseeding	\$	2.50	SY		600	\$	1,500.00	\$		\$	1,500.00		
Erosion Control	\$	12,500.00	LS		1	\$	12,500.00	\$	-	\$	12,500.00		
Fencing	\$	250.00	LF		0	\$	#	\$	**	\$	=		
All Weather Road	\$	37.50	SY		0	\$	2	\$	*	\$	2		
Reshape Channel	\$	50.00	LF		0	\$	-	\$	-	\$			
Channel Hydroseeding	\$	2.50	SY		0	\$	2	\$	~	\$	<u>=</u>		
TOTAL						\$	24,500.00	\$	1,125,000.00	\$	1,149,500.00		

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

Mowing & debris removal

Identify and explain any special engineering activities.

Erosion Control Design

Date:	9/24/2020
Phone Number:	979 885 3344

Signature of Registered Engineer/Architect Responsible For Budget Justification:

Seal



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:	Austin County Texas											
Site/Activity Title:	AC-	1.8 36 to RR										
Eligible Activity:	Flo	Flood Control and Drainage Improvements										
Materials/Facilities/Services	\$/Unit			Unit	Quantity		Construction		Acquisition		Total	
Jack 5' Dia. Steel Pipes under SH 36	\$	937.50	LF		1200	\$	(14)	\$	1,125,000.00	\$	1,125,000.00	
Excavation	\$	2.50	CY		8000	\$	20,000.00	\$	-	\$	20,000.00	
Spoil Transport & Disposal	\$	5.00	CY		8000	\$	40,000.00	\$	74	\$	40,000.00	
Grading	\$	1.25	SY		1600	\$	2,000.00	\$	1.5	\$	2,000.00	
Hydroseeding	\$	2.50	SY		1600	\$	4,000.00	\$		\$	4,000.00	
Erosion Control	\$	12,500.00	LS		2	\$	25,000.00	\$		\$	25,000.00	
Fencing	\$	250.00	LF		0	\$:-	\$		\$) = ()	
All Weather Road	\$	37.50	SY		0	\$	72	\$	-	\$	1=0_	
Reshape Channel	\$	50.00	LF		0	\$	7.2	\$	-	\$	3₩0	
Channel Hydroseeding	\$	2.50	SY		0	\$: <u>-</u>	\$	-	\$	140	
TOTAL			1931			\$	91,000.00	\$	1,125,000.00	\$	1,216,000.00	

Identify and explain the annual projected operation and maintenance costs associated with the proposed activities.
 Mowing & debris removal

2. Identify and explain any special engineering activities.

Erosion Control Design

Date:	9/24/2020
Phone Number:	979 885 3344

Signature of Registered Engineer/Architect Responsible For Budget Justification:

Seal



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

Applicant/Subrecipient:	Austin Cou	nty Texas	Austin County Texas										
Site/Activity Title:	AC-1.9 RR t	AC-1.9 RR to KERSTEN											
Eligible Activity:	Flood Cont	Flood Control and Drainage Improvements											
Materials/Facilities/Services	\$/Unit		Unit	Quantity	Construction		Α	cquisition	П	Total			
Real Estate Acquistion	\$	- SY		188889	\$	97	\$	4	\$				
Excavation	\$	2.50 CY		64500	\$	161,250.00	\$	#1	\$	161,250.00			
Spoil Transport & Disposal	\$	5.00 CY		64500	\$	322,500.00	\$		\$	322,500.00			
Grading	\$	1.25 SY		188889	\$	236,111.11	\$		\$	236,111.11			
Hydroseeding	\$	2.50 SY		94444	\$	236,111.11	\$	*	\$	236,111.11			
Erosion Control	\$ 12,50	0.00 LS		2	\$	25,000.00	\$	+	\$	25,000.00			
Mulch Underbrush	\$	0.13 SY		0	\$:#:	\$		\$				
Five Strand Barb Wire Fence	\$	4.00 LF		7300	\$	29,200.00	\$	- 5	\$	29,200.00			
Signs	\$ 6,25	0.00 LS		1	\$	6,250.00	\$		\$	6,250.00			
All Weather Road	\$ 3	7.50 SY		4000	\$	150,000.00	\$	-	\$	150,000.00			
TOTAL		0/9		Barrier County	\$	1,166,422.22	\$	-	\$	1,166,422.22			

Identify and explain the annual projected operation and maintenance costs associated with the proposed activities.
 Mowing & debris removal

Seal

2. Identify and explain any special engineering activities.

Wetlands & Endangered Species Evaluations

Date: 9/24/2020 Phone Number: 979 885 3344

Signature of Registered Engineer/Architect Responsible For Budget Justification:

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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:	Austin County Texas											
Site/Activity Title:	AC-1.10 KERSTE	AC-1.10 KERSTEN to Stockheld										
Eligible Activity:	Flood Control a	Flood Control and Drainage Improvements										
Materials/Facilities/Services	\$/Unit	Unit	Quantity		Construction		Acquisition		Total			
Real Estate Acquistion	\$ -	SY	186340	\$	·=	\$	-	\$	176			
Mulch Underbrush	\$ 0.13	SY	186340	\$	23,292.50	\$	-	\$	23,292.50			
Five Strand Barb Wire Fence	\$ 4.00	LF	6600	\$	26,400.00	\$	-	\$	26,400.00			
Signs	\$ 6,250.00	LS	1	\$	6,250.00	\$	-	\$	6,250.00			
All Weather Road	\$ 37.50	SY	3700	\$	138,750.00	\$		\$	138,750.00			
TOTAL			pel mental sign	\$	194,692.50	\$	-	\$	194,692.50			

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

Mowing & debris removal

2. Identify and explain any special engineering activities.
Wetlands & Endangered Species Evaluations

Date:	9/24/2020
Phone Number:	

Signature of Registered Engineer/Architect Responsible For Budget Justification:



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:	Aus	Austin County Texas									
Site/Activity Title:	AC-	1.11 STOCKH	ELD	to MERGE							
Eligible Activity:	Floo	od Control an	d Dr	ainage Impr	rovements						
Materials/Facilities/Services		\$/Unit Unit		Unit	Quantity	С	onstruction	Acquisition			Total
Real Estate Acquistion	\$	-	SY		166667	\$	•	\$	1#3	\$	-
Mulch Underbrush	\$	0.13	SY		166496	\$	20,812.00	\$	-	\$	20,812.00
Five Strand Barb Wire Fence	\$	5.00	LF		6000	\$	30,000.00	\$	14	\$	30,000.00
Signs	\$	6,250.00	LS		1	\$	6,250.00	\$	-	\$	6,250.00
All Weather Road	\$	37.50	SY		3400	\$	127,500.00	\$	-	\$	127,500.00
Real Estate Acquistion for Diversion Ch.	\$	4.06	SY			\$	p=	\$		\$	-
Diversion Channel Excavation (DC)	\$	2.50	CY			\$	1=			\$	-
Spoil Transport & Disposal (DC)	\$	10.00	CY			\$				\$	-
Grading (DC)	\$	1.25	SY			\$	14			\$	-
Hydroseeding (DC)	\$	2.50	SY			\$	₩.			\$	-
Erosion Control (DC)	\$	12,500.00	LS			\$	-			\$	-
Five Strand Barb Wire Fence (DC)	\$	4.00	LF			\$				\$	
All Weather Road (DC)	\$	37.50	SY			\$		\$	186	\$	
TOTAL						\$	184,562.00	\$	1 4 1	\$	184,562.00
CONTRACTOR OF STATE OF			'n,		THE AMERICAN	×.	10.00			SW	
 Identify and explain the annual proje 	cted	operation an	nd m	aintenance	costs associated w	ith	the proposed	activ	vities.		
Mowing & debris removal											
Identify and explain any special engir	eerir	ng activities.									
Wetlands & Endangered Species Evaluat	ions										
						M.		-090		1000	

Signature of Registered Engineer/Architect Responsible For Budget Justification:

Date: 9/24/2020 Phone Number: 979 885 3344

Seal



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:	Austin County T	Austin County Texas										
Site/Activity Title:	AC-2.1 1458 to	AC-2.1 1458 to Ward Bend										
Eligible Activity:	Flood Control and Drainage Improvements											
Materials/Facilities/Services Real Estate Acquistion	\$/Unit	Unit	Quantity	С	Construction		Acquisition		Total			
	\$ -	SY	451667	\$	-	\$	-	\$				
Mulch Underbrush	\$ 0.13	SY	0	\$	2	\$	-	\$	141			
Five Strand Barb Wire Fence	\$ 4.00	LF	18000	\$	72,000.00	\$	12	\$	72,000.00			
Signs	\$ 6,250.00	LS	1	\$	6,250.00	\$	-	\$	6,250.00			
Erosion Control (DC)	\$ 12,500.00	LS	6	\$	75,000.00			\$	75,000.00			
10' x 11' Box Culverts	\$ 2,500.00	LF	60	\$	150,000.00	\$	-	\$	150,000.00			
TOTAL				\$	78,250.00	\$	-	\$	303,250.00			

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

Seal

Mowing & debris removal

Identify and explain any special engineering activities.

Wetlands & Endangered Species Evaluations

Date:	9/24/2020
Phone Number:	979 885 3344

Signature of Registered Engineer/Architect Responsible For Budget Justification:



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:	Austin County	lexas							
Site/Activity Title:	AC-2.2 Ward Bend to Merge								
Eligible Activity:	Flood Control and Drainage Improvements								
Materials/Facilities/Services	\$/Unit	Unit	Quantity	Co	nstruction	Acq	uisition	1	Total
Real Estate Acquistion	\$ -	SY	474320	\$	-	\$	-	\$	3 50
Mulch Underbrush	\$ 0.1	3 SY	160000	\$	20,000.00	\$	#1	\$	20,000.00
Five Strand Barb Wire Fence	\$ 4.0	0 LF	17000	\$	68,000.00	\$	(#3)	\$	68,000.00
Signs	\$ 6,250.0	0 LS	1	\$	6,250.00	\$	700	\$	6,250.00
Erosion Control (DC)	\$ 12,500.0	0 LS	0	\$	-			\$	
TOTAL				\$	94,250.00	\$	(2)	\$	94,250.00

Identify and explain the annual projected operation and maintenance costs associated with the proposed activities.
 Mowing & debris removal

Seal

Identify and explain any special engineering activities.

Wetlands & Endangered Species Evaluations

Date: 9/24/2020 Phone Number: 979 885 3344

Signature of Registered Engineer/Architect Responsible For Budget Justification:



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:	Austin County Texas						
Site/Activity Title:	AC-3.1 Merge to Diversion Option #3 Flood Control and Drainage Improvements						
Eligible Activity:							
Materials/Facilities/Services	\$/Unit	Unit	Quantity	Construction	Acquisition	Т	Total
Real Estate Acquistion	\$ -	SY	333476	\$ -	\$ -	\$	1-1
Mulch Underbrush	\$ 0.13	SY	333476	\$ 41,684.50	\$ -	\$	41,684.50
Five Strand Barb Wire Fence	\$ 4.00	LF	12000	\$ 48,000.00	\$ -	\$	48,000.00
Signs	\$ 6,250.00	LS	1	\$ 6,250.00	\$ -	\$	6,250.00
Erosion Control (DC)	\$ 12,500.00	LS	0	\$ -		\$	141
TOTAL				\$ 95,934.50	\$ -	ŝ	95,934.50

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

Mowing & debris removal

Identify and explain any special engineering activities.

Wetlands & Endangered Species Evaluations

Date:	9/24/2020
Phone Number:	979 885 3344

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



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:	Austin County T	Austin County Texas				
Site/Activity Title:	AC-3.2 Diversion	AC-3.2 Diversion Option #3 to Machala Road				
Eligible Activity:	Flood Control ar	nd Drainage Imp	rovements			
Materials/Facilities/Services	\$/Unit	Unit	Quantity	Construction	Acquisition	Total
Real Estate Acquistion	\$ -	SY	58564	\$ -	\$ -	\$ -
Mulch Underbrush	\$ 0.13	SY	58564	\$ 7,320.50	\$ -	\$ 7,320.50
Five Strand Barb Wire Fence	\$ 4.00	LF	2030	\$ 8,120.00	\$ -	\$ 8,120.00
10' x 10' H x 30' L Culverts	\$ 2,500.00	LF	240	\$ 600,000.00		\$ 600,000.00
Signs	\$ 6,250.00	LS	1	\$ 6,250.00	\$ -	\$ 6,250.00
Erosion Control (DC)	\$ 12,500.00	LS	1	\$ 12,500.00		\$ 12,500.00
Channel Hydroseed	\$ 2.50	SY	100	\$ 250.00		\$ 250.00
TOTAL		NAME OF BRIDE	Late of Association	\$ 621,690.50	\$ -	\$ 634,440.50

1. Identify and explain the annual projected operation and maintenance costs associated with the proposed activities. Mowing & debris removal

Seal

2. Identify and explain any special engineering activities.
Wetlands & Endangered Species Evaluations

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Date:	9/24/2020
Phone Number:	979 885 3344

Signature of Registered Engineer/Architect Responsible For Budget Justification:



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:	Austin County Texas							
Site/Activity Title:	AC-3.3 Machala Road to Mixville Road							
Eligible Activity:	Flood Control ar	nd Drainage Impr	ovements					
Materials/Facilities/Services	\$/Unit	Unit	Quantity	C	Construction	-	cquisition	Total
Real Estate Acquistion	\$ -	SY	239580	\$	D29	\$	-	\$ ¥
Mulch Underbrush	\$ 0.13	SY	239580	\$	29,947.50	\$		\$ 29,947.50
Five Strand Barb Wire Fence	\$ 4.00	LF	8600	\$	34,400.00	\$	(-	\$ 34,400.00
10' x 10' H x 30' L Culverts	\$ 2,500.00	LF	240	\$	600,000.00			\$ 600,000.00
Signs	\$ 6,250.00	LS	1	\$	6,250.00	\$		\$ 6,250.00
Erosion Control (DC)	\$ 12,500.00	LS	1	\$	12,500.00			\$ 12,500.00
Channel Hydroseed	\$ 2.50	SY	100	\$	250.00			\$ 250.00
TOTAL				\$	670,597.50	\$	-	\$ 683,347.50

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

Mowing & debris removal

Identify and explain any special engineering activities.

Wetlands & Endangered Species Evaluations

Date: 9/24/2020 Phone Number: 979 885 3344

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

Seal



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:	Austin County T	exas				
Site/Activity Title:	AC-3.4 Mixville F	AC-3.4 Mixville Road to Diversion Option #2				
Eligible Activity:	Flood Control ar	nd Drainage Imp	rovements			
Materials/Facilities/Services	\$/Unit	Unit	Quantity	Construction	Acquisition	Total
Real Estate Acquistion	\$ -	SY	136004	\$ -	\$ -	\$ -
Mulch Underbrush	\$ 0.13	SY	136004	\$ 17,000.50	\$ -	\$ 17,000.50
Five Strand Barb Wire Fence	\$ 4.00	LF	4890	\$ 19,560.00	\$ -	\$ 19,560.00
Signs	\$ 6,250.00	LS	1	\$ 6,250.00	\$ -	\$ 6,250.00
Erosion Control (DC)	\$ 12,500.00	LS	1	\$ 12,500.00		\$ 12,500.00
Channel Hydroseed	\$ 2.50	SY	0	\$ -		\$ -
TOTAL		MITTERS SEEDING		\$ 42,810.50	\$ -	\$ 55,310.50

Identify and explain the annual projected operation and maintenance costs associated with the proposed activities.
 Mowing & debris removal

Seal

2. Identify and explain any special engineering activities.

Wetlands & Endangered Species Evaluations

Date:	9/24/2020
Phone Number:	979 885 3344

Signature of Registered Engineer/Architect Responsible For Budget Justification:



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:	Austin County Texas						
Site/Activity Title:	AC-3.5 Diversion Option #2 to Diversions Option #1						
Eligible Activity:	Flood Control and Drainage Improvements						
Materials/Facilities/Services	\$/Unit	Unit	Quantity	Construction	Acquisition		Total
Real Estate Acquistion	\$ -	SY	148588	\$ -	\$ -	\$	1=11
Mulch Underbrush	\$ 0.13	SY	148588	\$ 18,573.50	\$ -	\$	18,573.50
Five Strand Barb Wire Fence	\$ 4.00	LF	5350	\$ 21,400.00	\$ -	\$	21,400.00
Signs	\$ 6,250.00	LS	1	\$ 6,250.00	\$ -	\$	6,250.00
Erosion Control (DC)	\$ 12,500.00	LS	1	\$ 12,500.00		\$	12,500.00
Channel Hydroseed	\$ 2.50	SY	0	\$ -		\$	*:
TOTAL				\$ 46,223.50	\$ -	\$	58,723.50

Identify and explain the annual projected operation and maintenance costs associated with the proposed activities.
 Mowing & debris removal

Seal

Identify and explain any special engineering activities.

Wetlands & Endangered Species Evaluations

Date: 9/24/2020 Phone Number: 979 885 3344

Signature of Registered Engineer/Architect Responsible For Budget Justification:



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:	Austin County T	Austin County Texas						
Site/Activity Title:	D-1 DIVERSION	D-1 DIVERSION CHANNEL #1 ALTERNATIVE						
Eligible Activity:	Flood Control ar	nd Drainage Impr	ovements					
Materials/Facilities/Services	\$/Unit	Unit	Quantity	С	onstruction	Ac	quisition	Total
Real Estate Acquistion	\$ -	SY	80000	\$	•	\$	•	\$ ÷
Clearing	\$ 1.25	SY	80000	\$	100,000.00	\$	175	\$ 100,000.00
Excavation	\$ 2.50	CY	40000	\$	100,000.00	\$	1.00	\$ 100,001.00
Spoil Transport and Disposal	\$ 5.00	CY	40000	\$	200,000.00	\$	2.00	\$ 200,002.00
Five Strand Barb Wire Fence	\$ 4.00	LF	7000	\$	28,000.00	\$	-	\$ 28,000.00
Signs	\$ 6,250.00	LS	1	\$	6,250.00	\$		\$ 6,250.00
All Weather Road	\$ 37.50	SY	4000	\$	150,000.00	\$	9=9	\$ 150,000.00
Grading	\$ 1.25	SY	15000	\$	18,750.00	\$	121	\$ 18,750.00
Hydroseeding	\$ 2.50	SY	15000	\$	37,500.00	\$		\$ 37,500.00
Erosion Control	\$ 12,500.00	LS	6	\$	75,000.00	\$	150	\$ 75,000.00
Drop Structure	\$ 125,000.00	LS	1	\$	125,000.00	\$	-	\$ 125,000.00
TOTAL				\$	584,250.00	\$	3.00	\$ 840,503.00

1. Identify and explain the annual projected operation and maintenance costs associated with the proposed activities. Mowing & debris removal

Seal

Identify and explain any special engineering activities.

Wetlands & Endangered Species Evaluations

Date:	9/24/2020
Phone Number:	979 885 3344

Signature of Registered Engineer/Architect Responsible For Budget Justification:



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:	Αι	ustin County T	exas							
Site/Activity Title:	D-	D-2 DIVERSION CHANNEL #2 ALTERNATIVE								
Eligible Activity:	Flo	ood Control ar	nd Drainage Imp	rovements						
Materials/Facilities/Services		\$/Unit	Unit	Quantity	C	Construction	Ac	quisition		Total
Real Estate Acquistion	\$		SY	90000	\$	-	\$	-	\$	120
Clearing	\$	1.25	SY	90000	\$	112,500.00	\$	- 6	\$	112,500.00
Excavation	\$	2.50	CY	50000	\$	125,000.00	\$	1.00	\$	125,001.00
Spoil Transport and Disposal	\$	5.00	CY	50000	\$	250,000.00	\$	2.00	\$	250,002.00
Five Strand Barb Wire Fence	\$	4.00	LF	8000	\$	32,000.00	\$	-	\$	32,000.00
Signs	\$	6,250.00	LS	1	\$	6,250.00	\$	121	\$	6,250.00
All Weather Road	\$	37.50	SY	4500	\$	168,750.00	\$		\$	168,750.00
Grading	\$	1.25	SY	15000	\$	18,750.00	\$		\$	18,750.00
Hydroseeding	\$	2.50	SY	18000	\$	45,000.00	\$		\$	45,000.00
Erosion Control	\$	12,500.00	LS	7	\$	87,500.00	\$	-	\$	87,500.00
Drop Structure	\$	125,000.00	LS	1	\$	125,000.00	\$		\$	125,000.00
Box Culverts	\$	2,500.00	LF	60	\$	150,000.00	\$	190	\$	150,000.00
TOTAL					\$	694,500.00	\$	3.00	\$:	1,120,753.00

Identify and explain the annual projected operation and maintenance costs associated with the proposed activities.
 Mowing & debris removal

Identify and explain any special engineering activities.

Wetlands & Endangered Species Evaluations

Date: 9/24/2020 Phone Number: 979 885 3344

Signature of Registered Engineer/Architect Responsible For Budget Justification:



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:	Austin County T	exas				
Site/Activity Title:	D-3 DIVERSION	CHANNEL #3 ALT	ERNATIVE			
Eligible Activity:	Flood Control ar	d Drainage Impr	ovements			
Materials/Facilities/Services	\$/Unit	Unit	Quantity	Construction	Acquisition	Total
Real Estate Acquistion	\$ -	SY	167000	\$ -	\$ -	\$ -
Clearing	\$ 1.25	SY	100	\$ 125.00	\$ -	\$ 125.00
Excavation	\$ 2.50	CY	90000	\$ 225,000.00	\$ 1.00	\$ 225,001.00
Spoil Transport and Disposal	\$ 5.00	CY	90000	\$ 450,000.00	\$ 2.00	\$ 450,002.00
Five Strand Barb Wire Fence	\$ 4.00	LF	15000	\$ 60,000.00	\$ -	\$ 60,000.00
Signs	\$ 6,250.00	LS	1	\$ 6,250.00	\$ -	\$ 6,250.00
All Weather Road	\$ 37.50	SY	9000	\$ 337,500.00	\$ -	\$ 337,500.00
Grading	\$ 1.25	SY	15000	\$ 18,750.00	\$ -	\$ 18,750.00
Hydroseeding	\$ 2.50	SY	18000	\$ 45,000.00	\$ -	\$ 45,000.00
Erosion Control	\$ 12,500.00	LS	7	\$ 87,500.00	\$ -	\$ 87,500.00
Drop Structure	\$ 125,000.00	LS	1	\$ 125,000.00	\$ -	\$ 125,000.00
Box Culverts	\$ 2,500.00	LF	60	\$ 150,000.00	\$ -	\$ 150,000.00
TOTAL				\$ 1,078,875.00	\$ 3.00	\$ 1,505,128.00

Identify and explain the annual projected operation and maintenance costs associated with the proposed activities.
 Mowing & debris removal

Identify and explain any special engineering activities.

Wetlands & Endangered Species Evaluations

Date:	9/24/2020
Phone Number:	979 885 3344

Signature of Registered Engineer/Architect Responsible For Budget Justification:



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:	Austin County T	exas				
Site/Activity Title:	W-1 Allens Cree	k Outfall at Colun	nbus Road			
Eligible Activity:	Flood Control ar	nd Drainage Impr	ovements			
Materials/Facilities/Services	\$/Unit	Unit	Quantity	Construction	Acquisition	Total
Real Estate Acquistion	\$ 5.25	SY	8180	\$ -	\$ 42,945.00	\$ 42,945.00
Lower Pipeline	\$ 218,750.00	LS	1	\$ -	\$ 218,750.00	\$ 218,750.00
Channel 1 Excavation	\$ 2.50	CY	4500	\$ 11,250.00	\$ -	\$ 11,250.00
Channel 2 Excavation	\$ 2.50	CY	16800	\$ 42,000.00	\$ -	\$ 42,000.00
Bluff Drop Structure & Rip-Rap	\$ 112.50	SY	1550	\$ 174,375.00	\$ -	\$ 174,375.00
Creek Drop Structure & Rip-Rap	\$ 137.50	SY	700	\$ 96,250.00	\$ -	\$ 96,250.00
Culverts	\$ 27,500.00	LS	1	\$ 27,500.00		\$ 27,500.00
Cement Stabilized Sand	\$ 37.50	LF	1200	\$ 45,000.00		\$ 45,000.00
Road Repair	\$ 15,000.00	LS	1	\$ 15,000.00		\$ 15,000.00
Signs	\$ 6,250.00	LS	1	\$ 6,250.00	\$ -	\$ 6,250.00
Fence & Gate Modifications	\$ 22,875.00	LS	1	\$ 22,875.00		\$ 22,875.00
Hydroseeding	\$ 2.50	SY	15000	\$ 37,500.00	\$	\$ 37,500.00
Erosion Control	\$ 12,500.00	LS	2	\$ 25,000.00	\$ -	\$ 25,000.00
TOTAL				\$ 440,500.00	\$ 261,695.00	\$ 764,695.00
1. Identify and explain the annual pr	ojected operation an	d maintenance o	osts associated w	ith the proposed ac	tivities.	
Mowing & debris removal						
2. Identify and explain any special er	ngineering activities.					
Wetlands & Endangered Species Eva	luations					
						- 100
				Date:	9/24/2020	
			i i	Phone Number:	979 885 3344	
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Signature of Registered Engineer/Architect Responsible For Budget Justification:

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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:	Austin County Texas								
Site/Activity Title:	W-2 North FM 10	093 Detention-Ea	ast Side of FM 109	3 So	uth of Blazek				
Eligible Activity:	Flood Control an	d Drainage Impr	ovements						
Materials/Facilities/Services	\$/Unit	Unit	Quantity	(Construction		Acquisition		Total
Easement Acquistion	\$ 5.25	SY	24200	\$		\$	127,050.00	\$	127,050.00
Earthwork, Ditches & Berms	\$ 56,250.00	LS	1	\$	56,250.00	\$	12	\$	56,250.00
Road Repair	\$ 25,000.00	LS	1	\$	20,000.00	\$	= 1	\$	20,000.00
Weir Structure & Culvert	\$ 18,750.00	LS	1	\$	18,750.00	\$		\$	18,750.00
TOTAL				\$	95,000.00	\$	127,050.00	Ś	222,050.00

1. Identify and explain the annual projected operation and maintenance costs associated with the proposed activities. Mowing & debris removal

Identify and explain any special engineering activities.

Wetlands & Endangered Species Evaluations

Date:	9/24/2020
Phone Number:	979 885 3344

Signature of Registered Engineer/Architect Responsible For Budget Justification:

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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:	Austin Coun	ty Texas						-	
Site/Activity Title:	W-3 Lakevie	w Detention				-			
Eligible Activity:	Flood Contr	ol and Drainage Im	provements						
Materials/Facilities/Services	\$/Unit		Quantity	(Construction		Acquisition		Total
Easement Acquistion	\$ 5	.25 SY	48400	\$		\$	254,100.00	Ś	254,100.00
Clearing	\$ 0	.06 SY	314600	\$	19,662.50	Ś		Ś	19,662.50
Earthwork	\$ 52,500	.00 LS	1	\$	52,500.00	\$	(H)	Ś	52,500.00
Weir Structure	\$ 12,500	.00 LS	1	\$	12,500.00	\$		Ś	12,500.00
TOTAL				\$	84,662.50	\$	254,100.00	Š	338,762.50

Identify and explain the annual projected operation and maintenance costs associated with the proposed activities.
 Mowing & debris removal

Seal

Identify and explain any special engineering activities.

Wetlands & Endangered Species Evaluations

Date:	9/24/2020
Phone Number:	979 885 3344

Signature of Registered Engineer/Architect Responsible For Budget Justification:



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:	Aust	in County T	exas						
Site/Activity Title:	W-4	Old Orchar	d Highway S	croggins Road to Coun	ty Li	ne Ditch		_	
Eligible Activity:				Improvements					
Materials/Facilities/Services		\$/Unit	Unit		(Construction	Acquisition		Total
Easement Acquistion	\$	5.25	SY	115000	\$	•	\$ 603,750.00	Ś	603,750.00
Deepen Ditch	\$	8.93	LF	2100	\$	18,742.50	\$	\$	18,742.50
3' Culverts	\$	45.00	LF	600	\$	27,000.00	\$ (2)	\$	27,000.00
Junction Boxes	\$	2,500.00	EA	5	\$	12,500.00	\$ 121	\$	12,500.00
Cement Stabilized Sand	\$	83.34	LF	600	\$	50,002.50	\$ 349	\$	50,002.50
Road Repair	\$	8,125.00	LS	1	\$	8,125.00	\$ JA.	\$	8,125.00
Deepen Ditch	\$	15.58	LF	5700	\$	88,777.50	\$ (*)	\$	88,777.50
4' Culverts	\$	78.75	LF	120	\$	9,450.00	\$ (+)	\$	9,450.00
Cement Stabilized Sand	\$	91.35	LF	120	\$	10,962.00	\$ (=)	\$	10,962.00
Deepen Ditch	\$	69.23	LF	650	\$	44,996.25	\$ 1 - 1	\$	44,996.25
5' Culverts	\$	131.25	LF	120	\$	15,750.00	\$ 1,50	\$	15,750.00
Cement Stabilized Sand	\$	88.34	LF	120	\$	10,600.50	\$	\$	10,600.50
Road Repair	\$	2,500.00	LS	1	\$	2,500.00	\$ -	\$	2,500.00
Drop Structure and Rip Rap	\$	137.50	SY	1500	\$	206,250.00	\$ -	\$	206,250.00
Fence and Gate Modifications	\$	32,125.00	LS	1	\$	32,125.00	\$ -	\$	32,125.00
Erosion Control and Revegetation	\$	81,250.00	LS	1	\$	81,250.00	\$	\$	81,250.00
TOTAL	_				\$	619,031.25	\$ 603,750.00	\$	1,222,781.25

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Identify and explain any special engineering activities.

Wetlands & Endangered Species Evaluations

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Phone Number:	979 885 3344

Signature of Registered Engineer/Architect Responsible For Budget Justification:

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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.

Austin County 16	exas							
W-5 Brazos High	School Outfall to	County Line						
					_			
\$/Unit	Unit	Quantity	С	onstruction		Acquisition		Total
\$ 12.50	LF	12300	\$	-	Ś		Ś	153,750.00
\$ 43,750.00	LS	1	\$	43,750.00	\$	-	\$	43,750.00
			\$	43,750.00	\$	153,750.00	Ś	197,500.00
	W-5 Brazos High Flood Control an \$/Unit \$ 12.50	W-5 Brazos High School Outfall to Flood Control and Drainage Impr	W-5 Brazos High School Outfall to County Line Flood Control and Drainage Improvements \$/Unit Unit Quantity \$ 12.50 LF 12300	W-5 Brazos High School Outfall to County Line Flood Control and Drainage Improvements \$/Unit Unit Quantity C \$ 12.50 LF 12300 \$	W-5 Brazos High School Outfall to County Line Flood Control and Drainage Improvements \$/Unit Quantity Construction \$ 12.50 LF 12300 \$ - \$ 43,750.00 LS 1 \$ 43,750.00	W-5 Brazos High School Outfall to County Line Flood Control and Drainage Improvements \$/Unit Unit Quantity Construction \$ 12.50 LF 12300 \$ - \$	Flood Control and Drainage Improvements \$/Unit Unit Quantity Construction Acquisition \$ 12.50 LF 12300 \$ - \$ 153,750.00 \$ 43,750.00 LS 1 \$ 43,750.00 \$ -	W-5 Brazos High School Outfall to County Line Flood Control and Drainage improvements \$/Unit Quantity Construction Acquisition \$ 12.50 LF 12300 \$ - \$ 153,750.00 \$ \$ 5 43,750.00 \$ \$ - \$ \$ \$ 5 43,750.00 \$ \$ - \$ \$

Identify and explain the annual projected operation and maintenance costs associated with the proposed activities.
 Mowing & debris removal

Seal

Identify and explain any special engineering activities.

Wetlands & Endangered Species Evaluations

Date:	9/24/2020
Phone Number:	979 885 3344

Signature of Registered Engineer/Architect Responsible For Budget Justification:



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.

Austin County T	exas							
W-6 Wallis Natu	re Park Outfall N	orth to Railroad St	reet					
					-			
\$/Unit	Unit	Quantity	Co	nstruction	1	Acquisition		Total
\$ 30.48	LF	800	\$	*	\$	24.380.00	Ś	24,380.00
\$ 15.00	LF	80	\$	1,200.00	Ś		\$	1,200.00
\$ 59.45	LF	80	\$	4,756.00	\$	129	Ś	4,756.00
\$ 1,125.00	LS	1	\$	1,125.00	\$		Ś	1,125.00
			\$	1,200.00	\$	24,380.00	Ś	31,461.00
	W-6 Wallis Natu Flood Control ar \$/Unit \$ 30.48 \$ 15.00 \$ 59.45	Flood Control and Drainage Impr	W-6 Wallis Nature Park Outfall North to Railroad St Flood Control and Drainage Improvements \$/Unit Quantity \$ 30.48 LF 800 \$ 15.00 LF 80 \$ 59.45 LF 80	W-6 Wallis Nature Park Outfall North to Railroad Street Flood Control and Drainage Improvements \$/Unit Quantity Co \$ 30.48 LF 800 \$ \$ \$ 15.00 LF 80 \$ \$ \$ 59.45 LF 80 \$ \$	W-6 Wallis Nature Park Outfall North to Railroad Street Flood Control and Drainage Improvements \$/Unit Quantity Construction \$ 30.48 LF 800 \$ - \$ 15.00 LF 80 \$ 1,200.00 \$ 59.45 LF 80 \$ 4,756.00 \$ 1,125.00 LS 1 \$ 1,125.00	W-6 Wallis Nature Park Outfall North to Railroad Street Flood Control and Drainage Improvements \$/Unit Quantity Construction A \$ 30.48 LF 800 \$ - \$ \$ \$ 15.00 LF 80 \$ 1,200.00 \$ \$ \$ 59.45 LF 80 \$ 4,756.00 \$ \$ \$ 1,125.00 LS 1 \$ 1,125.00 \$ \$	W-6 Wallis Nature Park Outfall North to Railroad Street Flood Control and Drainage Improvements \$/Unit Quantity Construction Acquisition \$ 30.48 LF 800 \$ - \$ 24,380.00 \$ 15.00 LF 80 \$ 1,200.00 \$ - \$ 59.45 LF 80 \$ 4,756.00 \$ - \$ 1,125.00 LS 1 \$ 1,125.00 \$ -	W-6 Wallis Nature Park Outfall North to Railroad Street Flood Control and Drainage Improvements \$/Unit Quantity Construction Acquisition \$ 30.48 LF 800 \$ - \$ 24,380.00 \$ \$ \$ 15.00 LF 80 \$ 1,200.00 \$ - \$ \$ \$ 59.45 LF 80 \$ 4,756.00 \$ - \$ \$ \$ 1,125.00 LS 1 \$ 1,125.00 \$ - \$ \$

Identify and explain the annual projected operation and maintenance costs associated with the proposed activities.
 Mowing & debris removal

Identify and explain any special engineering activities.

Wetlands & Endangered Species Evaluations

Date:	9/24/2020
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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:	Aus	tin County To	exas					
Site/Activity Title:	W-7	7 Southwest	By-Pass Holub to	Holecek @ Elm Slo	oug	h		
Eligible Activity:			d Drainage Impr					
Materials/Facilities/Services		\$/Unit	Unit	Quantity		Construction	Acquisition	Total
Easement Acquisition	\$	5.25	SY	26136	\$		\$ 137,214.00	\$ 137,214.00
Excavation	\$	2.50	CY	15320	\$	38,300.00	\$ -	\$ 38,300.00
2' Diameter Culverts	\$	25.00	LF	280	\$	7,000.00	\$ - 2	\$ 7,000.00
4' Diameter Culverts	\$	78.75	LF	100	\$	7,875.00	\$ u z	\$ 7,875.00
Cement Stabilized Sand	\$	48.69	LF	380	\$	18,501.25	\$ 87	\$ 18,501.25
Drop Structure & Rip Rap	\$	137.50	SY	550	\$	75,625.00	\$ (-	\$ 75,625.00
Fence and Gate Modifications	\$	17,500.00	LS	1	\$	17,500.00	\$ 0#c	\$ 17,500.00
Erosion Control and Hydroseeding	\$	37,500.00	LS	1	\$	37,500.00	\$ (#C	\$ 37,500.00
Road Repairs	\$	5,000.00	LS	1	\$	5,000.00	\$ 12	\$ 5,000.00
TOTAL					\$	45,300.00	\$ 2	\$ 344,515.25

1. Identify and explain the annual projected operation and maintenance costs associated with the proposed activities. Mowing & debris removal

Seal

Identify and explain any special engineering activities.

Wetlands & Endangered Species Evaluations

Date:	9/24/2020
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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:	Austin County Te	exas					
Site/Activity Title:	W-8 Elm Slough	Improvement Gr	esham through Ce	mete	ery		
Eligible Activity:	Flood Control an						
Materials/Facilities/Services	\$/Unit	Unit	Quantity	C	Construction	Acquisition	Total
Easement Acquistion	\$ 5.25	SY	54853	\$	94	\$ 287,980.00	\$ 287,980.00
Excavation	\$ 2.50	CY	82280	\$	205,700.00	\$ -	\$ 205,700.00
Fence and Gate Modifications	\$ 35,000.00	LS	1	\$	35,000.00	\$ -	\$ 35,000.00
Low Water Crossings	\$ 12,500.00	LS	2	\$	25,000.00	\$ 98	\$ 25,000.00
Hydroseeding	\$ 2.50	SY	82280	\$	205,700.00	\$ 65	\$ 205,700.00
TOTAL			LISTED BY THE	\$	471,400.00	\$ 287,980.00	\$ 759,380,00

Identify and explain the annual projected operation and maintenance costs associated with the proposed activities.
 Mowing & debris removal

Identify and explain any special engineering activities.

Wetlands & Endangered Species Evaluations

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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:	Austin Co	unty Te	exas							
Site/Activity Title:	W-9 Norce	ross Ro	oad By-Pass to Sa	an Bernard River						
Eligible Activity:			d Drainage Impr							
Materials/Facilities/Services	\$/Un		Unit	Quantity	C	onstruction	7	Acquisition		Total
Easement Acquisition	\$	5.25	SY	22262	\$	(A)	\$	116,874.31	Ś	116,874.31
Excavation	\$	2.50	CY	33396	\$	83,490.00	\$	-	\$	83,490.00
Erosion Control and Hydroseeding	\$	2.50	SY	3396	\$	8,490.00	\$	-	Ś	8,490.00
TOTAL					\$	83,490.00	\$	-	\$	208,854.31

Identify and explain the annual projected operation and maintenance costs associated with the proposed activities.
 Mowing & debris removal

Seal

Identify and explain any special engineering activities.

Wetlands & Endangered Species Evaluations

Date:	9/24/2020
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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:	Austin County T	exas							
Site/Activity Title:	W-10 Mynarik Park Outfall								
Eligible Activity:		nd Drainage Impr	ovements						
Materials/Facilities/Services	\$/Unit	Unit	Quantity	Co	onstruction	A	cquisition		Total
Easement Acquisition	\$ 5.25	SY	12584	\$		\$	66,066.00	Ś	66,066.00
Excavation	\$ 2.50	CY	18876	\$	47,190.00	\$		Ś	47,190.00
Concrete Slope Paving	\$ 112.50	SY	850	\$	95,625.00	_		Ś	95,625.00
Culverts	\$ 22,500.00	LS	1	\$	22,500.00	-	_	Ś	22,500.00
Low Water Crossing	\$ 18,750.00	LS	1	\$	18,750.00		-	Ś	18,750.00
Fences and Gates	\$ 26,250.00	LS	1	\$	26,250.00	-	_	Ś	26,250.00
Erosion Control and Hydroseeding	\$ 2.50	SY	12584	\$	31,460.00	-	-	Ś	31,460.00
TOTAL			Section & Prince	\$	47,190.00	,	-	Ś	307,841.00

Identify and explain the annual projected operation and maintenance costs associated with the proposed activities.
 Mowing & debris removal

2. Identify and explain any special engineering activities.

Wetlands & Endangered Species Evaluations

Date:	9/24/2020
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Seal