Community Development Block Grant - Mitigation Application

Texas General Land Office
Community Development and Revitalization

Texas General Land Office, P.O. Box 12873, Austin, Texas 78711-2873
1-844-893-8937 or 512-475-5000, cdr@glo.texas.gov

7027

POSTED
OCT 06 2020
TIME 2:00 P
BY: Angel Clark
SANDRA K. DUCKWORTH, COUNTY CLERK

NEWTON COUNTY FLOOD AND DRAINAGE

PROJECT TITLE

NEWTON COUNTY

APPLICANT NAME

NEWTON	DETCOG
COUNTY	COG/Regional Planning Commission

Application for funding through:

2016 MIT STATEWIDE COMPETITION

NEWTON COUNTY
CDBG-MIT APPLICATION
FLOOD AND DRAINAGE

In recent years, Newton County has suffered greatly from natural disasters. Major disaster events include Hurricane Rita in 2005, Hurricane Ike in 2008, Hurricane Gustav in 2008, disaster-level unnamed flooding events in 2015 and 2016, Hurricane Harvey in 2017, and Tropical Storm Imelda in 2019. During the 2016 floods alone, over 3,600 residential structures in Newton County were damaged. Many homes were completely inundated with water. Water rescues and mandatory evacuations occurred as flood waters engulfed and submerged homes, businesses, and schools. Roads throughout the County were impassable, limiting access by emergency responders to many residential areas. Without proper drainage within the County, residents will continue to experience flooded homes and limited access to , life-sustaining support and essential services during disaster events.

The County proposes to mitigate the existing threat to public health and safety by reconstructing bridges and culverts in a major drainage basin flowing into the Sabine river in Newton County. The project will include the replacement of six bridges and one box culvert in the Big Cow Creek watershed and one bridge and one box culvert in the Caney Creek watershed. Culvert replacement will include 107 cubic yards of box culverts and headwalls, 1,600 SY of stabilized subgrade, 1,600 SY of 4" limestone base, 1,600 SY of asphalt and 120 cubic yards of concrete rip rap. Bridge replacement will include 2,800 LF of prestressed concrete pilings, 280 CY of concrete abutment, 1,100 LF of concrete beams, 7,150 SF of concrete slab, 280 CY of concrete approach slab, 8,000 SY of 4" limestone Base, 8,000 SY of hot mix asphalt and 420 CY of concrete rip rap.

The proposed improvements will ease the suffering and hardships faced by all Newton County residents, particularly low to moderate income and other vulnerable populations, during future flood events.

Total Project Costs:	**$3,687,657.85**
Local Funds:	**$ 37,000.00**
Engineering:	**$ 453,772.50**
Administration:	**$ 208,735.35**
Construction:	**$3,025,150.00**

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:	Newton County, Texas
Site/Activity Title:	CR 1022 / Big Cow Creek Watershed
Eligible Activity:	Bridge Replacement / Drainage Improvements

Materials/Facilities/Services	$/Unit	Unit	Quantity	Construction	Acquisition	Total
Mobilization & Traffic Control	$ 30,000.00	LS	1	$ 30,000.00	$ -	$ 30,000.00
Right-of-Way Preparation, Clearing	$ 10,000.00	LS	1	$ 10,000.00	$ -	$ 10,000.00
16" Prestress Concrete Piling (50 LF Ea.)	$ 115.00	LF	400	$ 46,000.00	$ -	$ 46,000.00
Concrete Abutment (Slan Beam)	$ 1,200.00	CY	40	$ 48,000.00	$ -	$ 48,000.00
Prestressed Concrete Beams	$ 220.00	LF	160	$ 35,200.00	$ -	$ 35,200.00
Reinforced Concrete Slab	$ 23.00	EA	1040	$ 23,920.00	$ -	$ 23,920.00
Cement Stabilized Abutment Backfill	$ 150.00	CY	24	$ 3,600.00	$ -	$ 3,600.00
Reinforced Concrete Approach Slab	$ 650.00	CY	40	$ 26,000.00	$ -	$ 26,000.00
Import Road Fill	$ 13.00	CY	1000	$ 13,000.00	$ -	$ 13,000.00
Scarify, Shape, Compact Road Section	$ 3.00	SY	4000	$ 12,000.00	$ -	$ 12,000.00
6" Stabilize Subgrade	$ 10.00	SY	4000	$ 40,000.00	$ -	$ 40,000.00
4" Limestone Base	$ 14.00	SY	4000	$ 56,000.00	$ -	$ 56,000.00
Asphaltic Prime Coat	$ 1.00	SY	4000	$ 4,000.00	$ -	$ 4,000.00
Hot Mixed Asphaltic Surface	$ 15.00	SY	4000	$ 60,000.00	$ -	$ 60,000.00
Traffic Rail	$ 130.00	LF	80	$ 10,400.00	$ -	$ 10,400.00
Metal Beam Guard Fence	$ 30.00	LF	250	$ 7,500.00	$ -	$ 7,500.00
Single Guardrail Terminal	$ 10,000.00	EA	2	$ 20,000.00	$ -	$ 20,000.00
Downstream Terminal Anchor	$ 1,000.00	EA	2	$ 2,000.00	$ -	$ 2,000.00
Concrete Rip Rap Slope Protection	$ 600.00	CY	60	$ 36,000.00	$ -	$ 36,000.00
Seeding and Fertilizing	$ 2.50	SY	8900	$ 22,250.00	$ -	$ 22,250.00
Stormwater Pollution Prevention	$ 3,500.00	LS	1	$ 3,500.00	$ -	$ 3,500.00
Lab Testing Allowance	$ 5,000.00	LS	1	$ 5,000.00	$ -	$ 5,000.00
	$ -		0	$ -	$ -	$ -
TOTAL	$ 62,676.50			$ 514,370.00	$ -	$ 514,370.00

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

The annual projected O & M for the activities on this page is $ 500.

2. Identify and explain any special engineering activities.

Design and Boundry surveying, geotechnical sampling and foundation services.

STATE OF TEXAS
PAT G. OATES
68492
9-23-20
REGISTERED
PROFESSIONAL ENGINEER

Seal (Page 1 of 10)

Date:	9/23/2020
Phone Number:	936-637-4900

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:	Newton County, Texas
Site/Activity Title:	CR 1021 / Big Cow Creek Watershed
Eligible Activity:	Bridge Replacement / Drainage Improvements

Materials/Facilities/Services	$/Unit	Unit	Quantity	Construction	Acquisition	Total
Mobilization & Traffic Control	$ 30,000.00	LS	1	$ 30,000.00	$ -	$ 30,000.00
Right-of-Way Preparation, Clearing	$ 10,000.00	LS	1	$ 10,000.00	$ -	$ 10,000.00
16" Prestress Concrete Piling (50 LF Ea.)	$ 115.00	LF	400	$ 46,000.00	$ -	$ 46,000.00
Concrete Abutment (Slan Beam)	$ 1,200.00	CY	40	$ 48,000.00	$ -	$ 48,000.00
Prestressed Concrete Beams	$ 220.00	LF	140	$ 30,800.00	$ -	$ 30,800.00
Reinforced Concrete Slab	$ 23.00	EA	910	$ 20,930.00	$ -	$ 20,930.00
Cement Stabilized Abutment Backfill	$ 150.00	CY	24	$ 3,600.00	$ -	$ 3,600.00
Reinforced Concrete Approach Slab	$ 650.00	CY	40	$ 26,000.00	$ -	$ 26,000.00
Import Road Fill	$ 13.00	CY	250	$ 3,250.00	$ -	$ 3,250.00
Scarify, Shape, Compact Road Section	$ 3.00	SY	800	$ 2,400.00	$ -	$ 2,400.00
6" Stabilize Subgrade	$ 10.00	SY	800	$ 8,000.00	$ -	$ 8,000.00
4" Limestone Base	$ 14.00	SY	800	$ 11,200.00	$ -	$ 11,200.00
Asphaltic Prime Coat	$ 1.00	SY	800	$ 800.00	$ -	$ 800.00
Hot Mixed Asphaltic Surface	$ 15.00	SY	800	$ 12,000.00	$ -	$ 12,000.00
Traffic Rail	$ 130.00	LF	80	$ 10,400.00	$ -	$ 10,400.00
Metal Beam Guard Fence	$ 30.00	LF	250	$ 7,500.00	$ -	$ 7,500.00
Single Guardrail Terminal	$ 10,000.00	EA	2	$ 20,000.00	$ -	$ 20,000.00
Downstream Terminal Anchor	$ 1,000.00	EA	2	$ 2,000.00	$ -	$ 2,000.00
Concrete Rip Rap Slope Protection	$ 600.00	CY	60	$ 36,000.00	$ -	$ 36,000.00
Seeding and Fertilizing	$ 2.50	SY	1800	$ 4,500.00	$ -	$ 4,500.00
Stormwater Pollution Prevention	$ 3,500.00	LS	1	$ 3,500.00	$ -	$ 3,500.00
Lab Testing Allowance	$ 5,000.00	LS	1	$ 5,000.00	$ -	$ 5,000.00
	$ -		0	$ -	$ -	$ -
TOTAL	$ 62,676.50			$ 341,880.00	$ -	$ 341,880.00

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

The annual projected O & M for the activities on this page is $ 500.

2. Identify and explain any special engineering activities.

Design and Boundry surveying, geotechnical sampling and foundation services.

STATE OF TEXAS
PAT G. OATES
68492
9-23-20
REGISTERED
PROFESSIONAL ENGINEER

Seal (Page 2 of 10)

Date:	9/23/2020
Phone Number:	936-637-4900

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:	Newton County, Texas
Site/Activity Title:	CR 1059 / Big Cow Creek Watershed
Eligible Activity:	Structure Replacement / Drainage Improvements

Materials/Facilities/Services	**$/Unit**	**Unit**	**Quantity**	**Construction**	**Acquisition**	**Total**
Mobilization & Traffic Control	$ 30,000.00	LS	1	$ 30,000.00	$ -	$ 30,000.00
Right-of-Way Preparation, Clearing	$ 10,000.00	LS	1	$ 10,000.00	$ -	$ 10,000.00
Concrete Box Culverts & Headwalls	$ 1,200.00	CY	51	$ 61,200.00	$ -	$ 61,200.00
Import Road Fill	$ 13.00	CY	250	$ 3,250.00	$ -	$ 3,250.00
Scarify, Shape, Compact Road Section	$ 3.00	EA	800	$ 2,400.00	$ -	$ 2,400.00
6" Stabilized Subgrade	$ 10.00	SY	800	$ 8,000.00	$ -	$ 8,000.00
4" Limestone Base	$ 14.00	SY	800	$ 11,200.00	$ -	$ 11,200.00
Asphaltic Prime Coat	$ 1.00	SY	800	$ 800.00	$ -	$ 800.00
Hot Mixed Asphaltic Surface	$ 15.00	SY	800	$ 12,000.00	$ -	$ 12,000.00
Metal Beam Guard Fence	$ 30.00	LF	350	$ 10,500.00	$ -	$ 10,500.00
Single Guardrail Terminal	$ 10,000.00	EA	2	$ 20,000.00	$ -	$ 20,000.00
Downstream Terminal Anchor	$ 1,000.00	EA	2	$ 2,000.00	$ -	$ 2,000.00
Concrete Rip Rap Slope Protection	$ 600.00	CY	60	$ 36,000.00	$ -	$ 36,000.00
Seeding and Fertilizing	$ 2.50	SY	1800	$ 4,500.00	$ -	$ 4,500.00
Stormwater Pollution Prevention	$ 3,500.00	LS	1	$ 3,500.00	$ -	$ 3,500.00
Lab Testing Allowance	$ 5,000.00	LS	1	$ 5,000.00	$ -	$ 5,000.00
				$ -	$ -	$ -
				$ -	$ -	$ -
				$ -	$ -	$ -
				$ -	$ -	$ -
				$ -	$ -	$ -
				$ -	$ -	$ -
	$ -			$ -	$ -	$ -
TOTAL	$ 61,388.50			$ 220,350.00	$ -	$ 220,350.00

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

The annual projected O & M for the activities on this page is $ 1,000.

2. Identify and explain any special engineering activities.

Design and Boundry surveying, geotechnical sampling and foundation services.

STATE OF TEXAS
PAT G. OATES
68492
9-23-20
REGISTERED
PROFESSIONAL ENGINEER

Seal (Page 3 of 10)

Date:	9/23/2020
Phone Number:	936-637-4900

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:	Newton County, Texas
Site/Activity Title:	CR 3037 / Big Cow Creek Watershed
Eligible Activity:	Bridge Replacement / Drainage Improvements

Materials/Facilities/Services	$/Unit	Unit	Quantity	Construction	Acquisition	Total
Mobilization & Traffic Control	$ 30,000.00	LS	1	$ 30,000.00	$ -	$ 30,000.00
Right-of-Way Preparation, Clearing	$ 10,000.00	LS	1	$ 10,000.00	$ -	$ 10,000.00
16" Prestress Concrete Piling (50 LF Ea.)	$ 115.00	LF	400	$ 46,000.00	$ -	$ 46,000.00
Concrete Abutment (Slan Beam)	$ 1,200.00	CY	40	$ 48,000.00	$ -	$ 48,000.00
Prestressed Concrete Beams	$ 220.00	LF	160	$ 35,200.00	$ -	$ 35,200.00
Reinforced Concrete Slab	$ 23.00	EA	1040	$ 23,920.00	$ -	$ 23,920.00
Cement Stabilized Abutment Backfill	$ 150.00	CY	24	$ 3,600.00	$ -	$ 3,600.00
Reinforced Concrete Approach Slab	$ 650.00	CY	40	$ 26,000.00	$ -	$ 26,000.00
Import Road Fill	$ 13.00	CY	250	$ 3,250.00	$ -	$ 3,250.00
Scarify, Shap, Compact Road Section	$ 3.00	SY	800	$ 2,400.00	$ -	$ 2,400.00
6" Stabilize Subgrade	$ 10.00	SY	800	$ 8,000.00	$ -	$ 8,000.00
4" Limestone Base	$ 14.00	SY	800	$ 11,200.00	$ -	$ 11,200.00
Asphaltic Prime Coat	$ 1.00	SY	800	$ 800.00	$ -	$ 800.00
Hot Mixed Asphaltic Surface	$ 15.00	SY	800	$ 12,000.00	$ -	$ 12,000.00
Traffic Rail	$ 130.00	LF	80	$ 10,400.00	$ -	$ 10,400.00
Metal Beam Guard Fence	$ 30.00	LF	250	$ 7,500.00	$ -	$ 7,500.00
Single Guardrail Terminal	$ 10,000.00	EA	2	$ 20,000.00	$ -	$ 20,000.00
Downstream Terminal Anchor	$ 1,000.00	EA	2	$ 2,000.00	$ -	$ 2,000.00
Concrete Rip Rap Slope Protection	$ 600.00	CY	60	$ 36,000.00	$ -	$ 36,000.00
Seeding and Fertilizing	$ 2.50	SY	1800	$ 4,500.00	$ -	$ 4,500.00
Stormwater Pollution Prevention	$ 3,500.00	LS	1	$ 3,500.00	$ -	$ 3,500.00
Lab Testing Allowance	$ 5,000.00	LS	1	$ 5,000.00	$ -	$ 5,000.00
	$ -		0	$ -	$ -	$ -
TOTAL	$ 62,676.50			$ 349,270.00	$ -	$ 349,270.00

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

The annual projected O & M for the activities on this page is $ 500.

2. Identify and explain any special engineering activities.

Design and Boundry surveying, geotechnical sampling and foundation services.

STATE OF TEXAS
PAT G. OATES
68492
9-23-20
REGISTERED PROFESSIONAL ENGINEER

Seal (Page 4 of 10)

Date:	9/23/2020
Phone Number:	936-637-4900

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:	Newton County, Texas
Site/Activity Title:	CR 3038 / Big Cow Creek Watershed
Eligible Activity:	Bridge Replacement / Drainage Improvements

Materials/Facilities/Services	$/Unit	Unit	Quantity	Construction	Acquisition	Total
Mobilization & Traffic Control	$ 30,000.00	LS	1	$ 30,000.00	$ -	$ 30,000.00
Right-of-Way Preparation, Clearing	$ 10,000.00	LS	1	$ 10,000.00	$ -	$ 10,000.00
16" Prestress Concrete Piling (50 LF Ea.)	$ 115.00	LF	400	$ 46,000.00	$ -	$ 46,000.00
Concrete Abutment (Slan Beam)	$ 1,200.00	CY	40	$ 48,000.00	$ -	$ 48,000.00
Prestressed Concrete Beams	$ 220.00	LF	160	$ 35,200.00	$ -	$ 35,200.00
Reinforced Concrete Slab	$ 23.00	EA	1040	$ 23,920.00	$ -	$ 23,920.00
Cement Stabilized Abutment Backfill	$ 150.00	CY	24	$ 3,600.00	$ -	$ 3,600.00
Reinforced Concrete Approach Slab	$ 650.00	CY	40	$ 26,000.00	$ -	$ 26,000.00
Import Road Fill	$ 13.00	CY	250	$ 3,250.00	$ -	$ 3,250.00
Scarify, Shap, Compact Road Section	$ 3.00	SY	800	$ 2,400.00	$ -	$ 2,400.00
6" Stabilize Subgrade	$ 10.00	SY	800	$ 8,000.00	$ -	$ 8,000.00
4" Limestone Base	$ 14.00	SY	800	$ 11,200.00	$ -	$ 11,200.00
Asphaltic Prime Coat	$ 1.00	SY	800	$ 800.00	$ -	$ 800.00
Hot Mixed Asphaltic Surface	$ 15.00	SY	800	$ 12,000.00	$ -	$ 12,000.00
Traffic Rail	$ 130.00	LF	80	$ 10,400.00	$ -	$ 10,400.00
Metal Beam Guard Fence	$ 30.00	LF	250	$ 7,500.00	$ -	$ 7,500.00
Single Guardrail Terminal	$ 10,000.00	EA	2	$ 20,000.00	$ -	$ 20,000.00
Downstream Terminal Anchor	$ 1,000.00	EA	2	$ 2,000.00	$ -	$ 2,000.00
Concrete Rip Rap Slope Protection	$ 600.00	CY	60	$ 36,000.00	$ -	$ 36,000.00
Seeding and Fertilizing	$ 2.50	SY	1800	$ 4,500.00	$ -	$ 4,500.00
Stormwater Pollution Prevention	$ 3,500.00	LS	1	$ 3,500.00	$ -	$ 3,500.00
Lab Testing Allowance	$ 5,000.00	LS	1	$ 5,000.00	$ -	$ 5,000.00
	$ -		0	$ -	$ -	$ -
TOTAL	$ 62,676.50			$ 349,270.00	$ -	$ 349,270.00

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

The annual projected O & M for the activities on this page is $ 500.

2. Identify and explain any special engineering activities.

Design and Boundry surveying, geotechnical sampling and foundation services.

STATE OF TEXAS
PAT G. OATES
68492
9-23-20
REGISTERED PROFESSIONAL ENGINEER

Seal (Page 5 of 10)

Date:	9/23/2020
Phone Number:	936-637-4900

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:	Newton County, Texas
Site/Activity Title:	CR 3068 / Big Cow Creek Watershed
Eligible Activity:	Bridge Replacement / Drainage Improvements

Materials/Facilities/Services	$/Unit	Unit	Quantity	Construction	Acquisition	Total
Mobilization & Traffic Control	$ 25,000.00	LS	1	$ 25,000.00	$ -	$ 25,000.00
Right-of-Way Preparation, Clearing	$ 10,000.00	LS	1	$ 10,000.00	$ -	$ 10,000.00
16" Prestress Concrete Piling (50 LF Ea.)	$ 115.00	LF	400	$ 46,000.00	$ -	$ 46,000.00
Concrete Abutment (Slan Beam)	$ 1,200.00	CY	40	$ 48,000.00	$ -	$ 48,000.00
Prestressed Concrete Beams	$ 220.00	LF	160	$ 35,200.00	$ -	$ 35,200.00
Reinforced Concrete Slab	$ 23.00	EA	1040	$ 23,920.00	$ -	$ 23,920.00
Cement Stabilized Abutment Backfill	$ 150.00	CY	24	$ 3,600.00	$ -	$ 3,600.00
Reinforced Concrete Approach Slab	$ 650.00	CY	40	$ 26,000.00	$ -	$ 26,000.00
Import Road Fill	$ 13.00	CY	100	$ 1,300.00	$ -	$ 1,300.00
Scarify, Shap, Compact Road Section	$ 3.00	SY	400	$ 1,200.00	$ -	$ 1,200.00
6" Stabilize Subgrade	$ 10.00	SY	400	$ 4,000.00	$ -	$ 4,000.00
4" Limestone Base	$ 14.00	SY	400	$ 5,600.00	$ -	$ 5,600.00
Asphaltic Prime Coat	$ 1.00	SY	400	$ 400.00	$ -	$ 400.00
Hot Mixed Asphaltic Surface	$ 15.00	SY	400	$ 6,000.00	$ -	$ 6,000.00
Traffic Rail	$ 130.00	LF	80	$ 10,400.00	$ -	$ 10,400.00
Metal Beam Guard Fence	$ 30.00	LF	250	$ 7,500.00	$ -	$ 7,500.00
Single Guardrail Terminal	$ 10,000.00	EA	2	$ 20,000.00	$ -	$ 20,000.00
Downstream Terminal Anchor	$ 1,000.00	EA	2	$ 2,000.00	$ -	$ 2,000.00
Concrete Rip Rap Slope Protection	$ 600.00	CY	60	$ 36,000.00	$ -	$ 36,000.00
Seeding and Fertilizing	$ 2.50	SY	1800	$ 4,500.00	$ -	$ 4,500.00
Stormwater Pollution Prevention	$ 3,500.00	LS	1	$ 3,500.00	$ -	$ 3,500.00
Lab Testing Allowance	$ 5,000.00	LS	1	$ 5,000.00	$ -	$ 5,000.00
	$ -		0	$ -	$ -	$ -
TOTAL	$ 57,676.50			$ 325,120.00	$ -	$ 325,120.00

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

The annual projected O & M for the activities on this page is $ 500.

2. Identify and explain any special engineering activities.

Design and Boundry surveying, geotechnical sampling and foundation services.

STATE OF TEXAS
PAT G. OATES
68492
9-23-20
REGISTERED
PROFESSIONAL ENGINEER

Seal (Page 6 of 10)

Date:	9/23/2020
Phone Number:	936-637-4900

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:	Newton County, Texas
Site/Activity Title:	CR 3073 / Big Cow Creek Watershed
Eligible Activity:	Bridge Replacement / Drainage Improvements

Materials/Facilities/Services	$/Unit	Unit	Quantity	Construction	Acquisition	Total
Mobilization & Traffic Control	$ 30,000.00	LS	1	$ 30,000.00	$ -	$ 30,000.00
Right-of-Way Preparation, Clearing	$ 10,000.00	LS	1	$ 10,000.00	$ -	$ 10,000.00
16" Prestress Concrete Piling (50 LF Ea.)	$ 115.00	LF	400	$ 46,000.00	$ -	$ 46,000.00
Concrete Abutment (Slan Beam)	$ 1,200.00	CY	40	$ 48,000.00	$ -	$ 48,000.00
Prestressed Concrete Beams	$ 220.00	LF	160	$ 35,200.00	$ -	$ 35,200.00
Reinforced Concrete Slab	$ 23.00	EA	1040	$ 23,920.00	$ -	$ 23,920.00
Cement Stabilized Abutment Backfill	$ 150.00	CY	24	$ 3,600.00	$ -	$ 3,600.00
Reinforced Concrete Approach Slab	$ 650.00	CY	40	$ 26,000.00	$ -	$ 26,000.00
Import Road Fill	$ 13.00	CY	250	$ 3,250.00	$ -	$ 3,250.00
Scarify, Shap, Compact Road Section	$ 3.00	SY	800	$ 2,400.00	$ -	$ 2,400.00
6" Stabilize Subgrade	$ 10.00	SY	800	$ 8,000.00	$ -	$ 8,000.00
4" Limestone Base	$ 14.00	SY	800	$ 11,200.00	$ -	$ 11,200.00
Asphaltic Prime Coat	$ 1.00	SY	800	$ 800.00	$ -	$ 800.00
Hot Mixed Asphaltic Surface	$ 15.00	SY	800	$ 12,000.00	$ -	$ 12,000.00
Traffic Rail	$ 130.00	LF	80	$ 10,400.00	$ -	$ 10,400.00
Metal Beam Guard Fence	$ 30.00	LF	250	$ 7,500.00	$ -	$ 7,500.00
Single Guardrail Terminal	$ 10,000.00	EA	2	$ 20,000.00	$ -	$ 20,000.00
Downstream Terminal Anchor	$ 1,000.00	EA	2	$ 2,000.00	$ -	$ 2,000.00
Concrete Rip Rap Slope Protection	$ 600.00	CY	60	$ 36,000.00	$ -	$ 36,000.00
Seeding and Fertilizing	$ 2.50	SY	1800	$ 4,500.00	$ -	$ 4,500.00
Stormwater Pollution Prevention	$ 3,500.00	LS	1	$ 3,500.00	$ -	$ 3,500.00
Lab Testing Allowance	$ 5,000.00	LS	1	$ 5,000.00	$ -	$ 5,000.00
	$ -		0	$ -	$ -	$ -
TOTAL	$ 62,676.50			$ 349,270.00	$ -	$ 349,270.00

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

The annual projected O & M for the activities on this page is $ 500.

2. Identify and explain any special engineering activities.

Design and Boundry surveying, geotechnical sampling and foundation services.

STATE OF TEXAS
PAT G. OATES
68492
9-23-20
REGISTERED
PROFESSIONAL ENGINEER

Seal (Page 7 of 10)

Date:	9/23/2020
Phone Number:	936-637-4900

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:	Newton County, Texas
Site/Activity Title:	Davison Street / Caney Creek Wtershed Area
Eligible Activity:	Structure Replacement / Drainage Improvements

Materials/Facilities/Services	$/Unit	Unit	Quantity	Construction	Acquisition	Total
Mobilization & Traffic Control	$ 30,000.00	LS	1	$ 30,000.00	$ -	$ 30,000.00
Right-of-Way Preparation, Clearing	$ 10,000.00	LS	1	$ 10,000.00	$ -	$ 10,000.00
Concrete Box Culverts & Headwalls	$ 1,200.00	CY	56	$ 67,200.00	$ -	$ 67,200.00
Import Road Fill	$ 13.00	CY	250	$ 3,250.00	$ -	$ 3,250.00
Scarify, Shape, Compact Road Section	$ 3.00	EA	800	$ 2,400.00	$ -	$ 2,400.00
6" Stabilized Subgrade	$ 10.00	SY	800	$ 8,000.00	$ -	$ 8,000.00
4" Limestone Base	$ 14.00	SY	800	$ 11,200.00	$ -	$ 11,200.00
Asphaltic Prime Coat	$ 1.00	SY	800	$ 800.00	$ -	$ 800.00
Hot Mixed Asphaltic Surface	$ 15.00	SY	800	$ 12,000.00	$ -	$ 12,000.00
Metal Beam Guard Fence	$ 30.00	LF	350	$ 10,500.00	$ -	$ 10,500.00
Single Guardrail Terminal	$ 10,000.00	EA	2	$ 20,000.00	$ -	$ 20,000.00
Downstream Terminal Anchor	$ 1,000.00	EA	2	$ 2,000.00	$ -	$ 2,000.00
Concrete Rip Rap Slope Protection	$ 600.00	CY	60	$ 36,000.00	$ -	$ 36,000.00
Seeding and Fertilizing	$ 2.50	SY	1800	$ 4,500.00	$ -	$ 4,500.00
Stormwater Pollution Prevention	$ 3,500.00	LS	1	$ 3,500.00	$ -	$ 3,500.00
Lab Testing Allowance	$ 5,000.00	LS	1	$ 5,000.00	$ -	$ 5,000.00
				$ -	$ -	$ -
				$ -	$ -	$ -
				$ -	$ -	$ -
				$ -	$ -	$ -
				$ -	$ -	$ -
				$ -	$ -	$ -
	$ -			$ -	$ -	$ -
TOTAL	$ 61,388.50			$ 226,350.00	$ -	$ 226,350.00

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

The annual projected O & M for the activities on this page is $ 1,000.

2. Identify and explain any special engineering activities.

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Seal (Page 8 of 10)

Date:	9/23/2020
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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:	Newton County, Texas
Site/Activity Title:	CR 2018 / Caney Creek Watershed
Eligible Activity:	Bridge Replacement / Drainage Improvements

Materials/Facilities/Services	$/Unit	Unit	Quantity	Construction	Acquisition	Total
Mobilization & Traffic Control	$ 30,000.00	LS	1	$ 30,000.00	$ -	$ 30,000.00
Right-of-Way Preparation, Clearing	$ 10,000.00	LS	1	$ 10,000.00	$ -	$ 10,000.00
16" Prestress Concrete Piling (50 LF Ea.)	$ 115.00	LF	400	$ 46,000.00	$ -	$ 46,000.00
Concrete Abutment (Slan Beam)	$ 1,200.00	CY	40	$ 48,000.00	$ -	$ 48,000.00
Prestressed Concrete Beams	$ 220.00	LF	160	$ 35,200.00	$ -	$ 35,200.00
Reinforced Concrete Slab	$ 23.00	EA	1040	$ 23,920.00	$ -	$ 23,920.00
Cement Stabilized Abutment Backfill	$ 150.00	CY	24	$ 3,600.00	$ -	$ 3,600.00
Reinforced Concrete Approach Slab	$ 650.00	CY	40	$ 26,000.00	$ -	$ 26,000.00
Import Road Fill	$ 13.00	CY	250	$ 3,250.00	$ -	$ 3,250.00
Scarify, Shap, Compact Road Section	$ 3.00	SY	800	$ 2,400.00	$ -	$ 2,400.00
6" Stabilize Subgrade	$ 10.00	SY	800	$ 8,000.00	$ -	$ 8,000.00
4" Limestone Base	$ 14.00	SY	800	$ 11,200.00	$ -	$ 11,200.00
Asphaltic Prime Coat	$ 1.00	SY	800	$ 800.00	$ -	$ 800.00
Hot Mixed Asphaltic Surface	$ 15.00	SY	800	$ 12,000.00	$ -	$ 12,000.00
Traffic Rail	$ 130.00	LF	80	$ 10,400.00	$ -	$ 10,400.00
Metal Beam Guard Fence	$ 30.00	LF	250	$ 7,500.00	$ -	$ 7,500.00
Single Guardrail Terminal	$ 10,000.00	EA	2	$ 20,000.00	$ -	$ 20,000.00
Downstream Terminal Anchor	$ 1,000.00	EA	2	$ 2,000.00	$ -	$ 2,000.00
Concrete Rip Rap Slope Protection	$ 600.00	CY	60	$ 36,000.00	$ -	$ 36,000.00
Seeding and Fertilizing	$ 2.50	SY	1800	$ 4,500.00	$ -	$ 4,500.00
Stormwater Pollution Prevention	$ 3,500.00	LS	1	$ 3,500.00	$ -	$ 3,500.00
Lab Testing Allowance	$ 5,000.00	LS	1	$ 5,000.00	$ -	$ 5,000.00
	$ -		0	$ -	$ -	$ -
TOTAL	$ 62,676.50			$ 349,270.00	$ -	$ 349,270.00

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

The annual projected O & M for the activities on this page is $ 500.

2. Identify and explain any special engineering activities.

Design and Boundry surveying, geotechnical sampling and foundation services.

STATE OF TEXAS
PAT G. OATES
68492
9-23-20
REGISTERED
PROFESSIONAL ENGINEER

Seal (Page 9 of 10)

Date:	9/23/2020
Phone Number:	936-637-4900

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:	Newton County, Texas
Site/Activity Title:	Big Cow / Caney Creek Watersheds
Eligible Activity:	Bridge Replacement / Drainage Improvements / TOTALS

Materials/Facilities/Services	$/Unit	Unit	Quantity	Construction	Acquisition	Total
				$ -	$ -	$ -
				$ -	$ -	$ -
				$ -	$ -	$ -
				$ -	$ -	$ -
				$ -	$ -	$ -
				$ -	$ -	$ -
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				$ -	$ -	$ -
				$ -	$ -	$ -
	$ -			$ -	$ -	$ -
TOTAL	$ -			$ 3,025,150.00	$ -	$ 3,025,150.00

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

NA this Sheet

2. Identify and explain any special engineering activities.

NA this Sheet

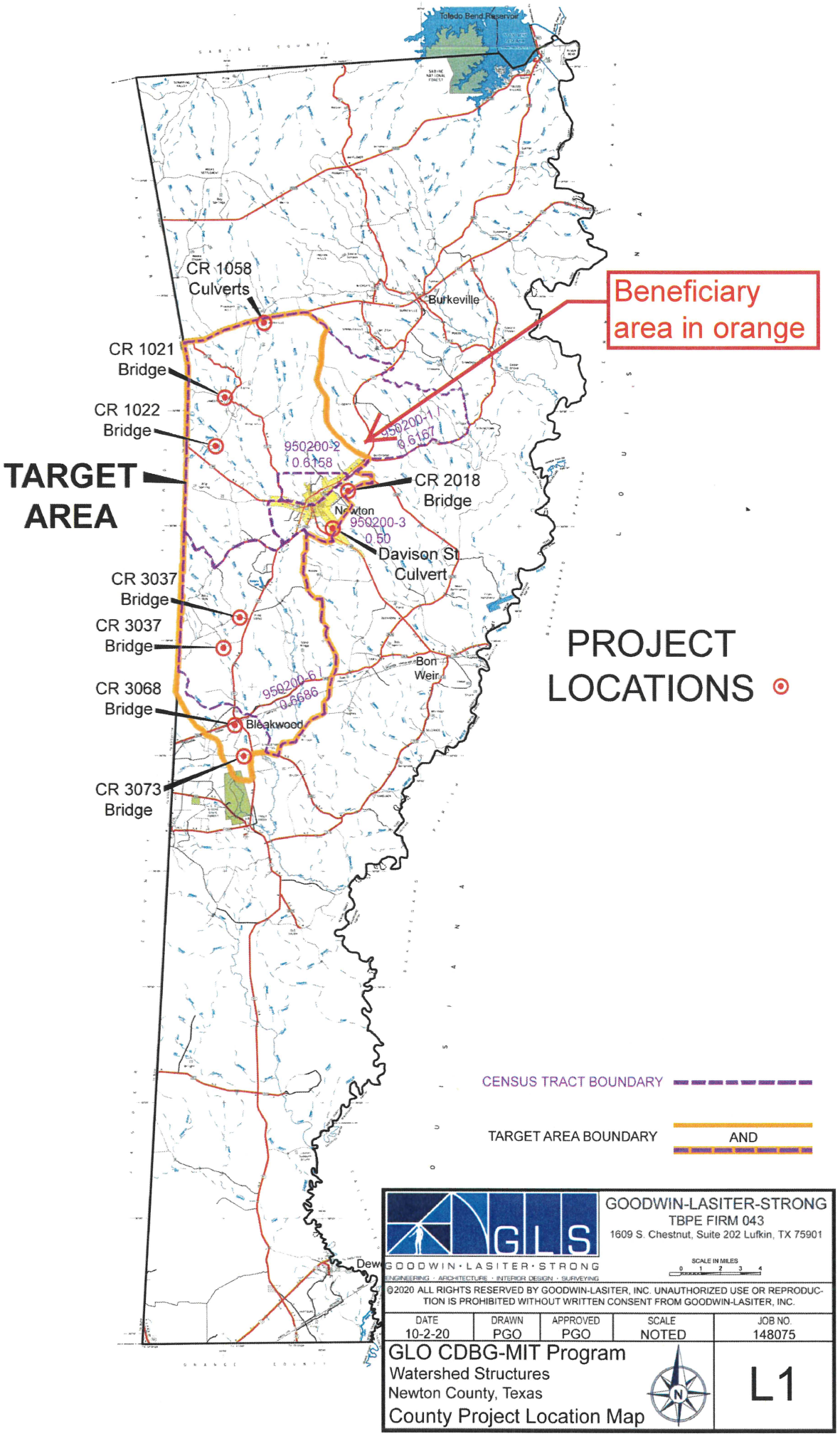
STATE OF TEXAS
PAT G. OATES
68492
9-23-20
REGISTERED PROFESSIONAL ENGINEER

Seal (Page 10 of 10)

Date:	9/23/2020
Phone Number:	936-637-4900

Signature of Registered Engineer/Architect Responsible For Budget Justification:

Engineering	$ 453,772.50	
Admin	$ 208,735.35	
Grant Total		$ 3,687,657.85


Toledo Bend Reservoir
CR 1058
Culverts
Burkeville
Beneficiary
area in orange
CR 1021
Bridge
CR 1022
Bridge
TARGET
AREA
950200-2
0.6158
950200-1
0.6167
CR 2018
Bridge
Newton
950200-3
0.50
Davison St
Culvert
CR 3037
Bridge
CR 3037
Bridge
Bon
Weir
PROJECT
LOCATIONS
CR 3068
Bridge
950200-6
0.6686
Bleakwood
CR 3073
Bridge
CENSUS TRACT BOUNDARY
TARGET AREA BOUNDARY
AND
GOODWIN-LASITER-STRONG
TBPE FIRM 043
1609 S. Chestnut, Suite 202 Lufkin, TX 75901
GOODWIN · LASITER · STRONG
ENGINEERING · ARCHITECTURE · INTERIOR DESIGN · SURVEYING
SCALE IN MILES
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DATE 10-2-20
DRAWN PGO
APPROVED PGO
SCALE NOTED
JOB NO. 148075
GLO CDBG-MIT Program
Watershed Structures
Newton County, Texas
County Project Location Map
N
L1