

LIGHTPOINT

ENGINEERING, LLC

July 06, 2022

Joe Landry, Mayor
City of Old River Winfree
4818 N. Farm to Market Road 565
Old River-Winfree, Texas 77523

Attention: Mayor Joe Landry

Reference: City of Old River Winfree Road Repair and Drainage Improvement Project
GLO – CDBG-DR Imelda Application: Engineering Letter
LPE Proj. #: GCL708-2

Dear Mr. Landry,

LightPoint Engineering Inc. ("LPE") is recommending the application of the Imelda CDBG funding to be utilized into rehabilitating the City of Old River Winfree's (the "City") existing roadway infrastructure and drainage system. Primarily, portions of the following roads, along with the storm drainage swales, are proposed to be repaired with asphalt paving: 3,000 LF of Indian Ridge Drive and 2,000 LF on Woodland Lane. Additionally, 300 LF on Shady Lane is also included for repair due to its current deteriorated condition; as well as the intersection of Shady Lane and Blackberry Lane; and the Cul-de-Sac at the end of Blackberry Lane.

The current situation for the above-mentioned access-ways and drainage infrastructure of the City is in poor condition due to the age and cumulative erosion at the roadways caused by frequent flooding in the area. Currently, the aforementioned roads are some of the only routes in and out of the City's residential areas; and therefore serves as the main path of evacuation as well as emergency vehicle access. Thus, the dilapidated conditions can pose a public health or safety hazard in the event of an emergency. The drainage improvements along with the new asphalt roads will also contribute toward the City's existing flood mitigation and control infrastructure that needs rehabilitation. Therefore, the proposed scope of work described in this letter is vital for the City's overall infrastructure, access-ways, and storm drainage capabilities. Should you have any further questions or concerns, please contact me at this office.

Sincerely,



Michael Mathena, P.E.
President

w/ Attachment



7/6/22

604 West Worsham St. , Suite 100 , Willis , Texas 77378
1025 12th St. Huntsville, Texas 77340
936-207-9984
TBPE No. 18938

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Old River-Winfree, Texas 77523

Attention: Mayor Joe Landry

Reference: City of Old River Winfree Road Repair and Drainage Improvement Project
GLO – CDBG-DR Imelda Application: Beneficiary Justification
LPE Proj. #: GCL708-2

Dear Mr. Landry,

LightPoint Engineering Inc. ("LPE") is proposing the above-referenced project to rehabilitate portions the City of Old River Winfree's (the "City") existing roadways and drainage swale predominantly on Woodland Lane and Indian Ridge Drive.

The portions of the aforementioned roads are some of the City's main and only routes of access in and out of the City's residential areas. Therefore, the proposed scope of work involved in this project will greatly improve the current roadway condition that is vital for evacuation routes, emergency vehicle access, and direct passage into some of the City's residential areas; as well as repair the storm structure that is crucial to the City's drainage system. The entire residents of following subdivisions will be directly benefited by this project: Woodland Acres, Indian Ridge and Riverwood Estates. Should you have any further questions or concerns, please contact me at this office.

Sincerely,



Michael Mathena, P.E.
President

w/ Attachment



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604 West Worsham St. , Suite 100 , Willis , Texas 77378
1025 12th St. Huntsville, Texas 77340
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PROJECT NAME: OLD RIVER WINFREE: IMELDA GLO
APPLICATION PROJECT EXHIBIT

PROJECT NUMBER: GCL708-2

PREPARED FOR: CITY OF OLD RIVER WINFREE

DATE: JULY 2022



LEGEND



PROPOSED REPLACEMENT
OF EXISTING ROADWAY
WITH ASPHALT AND OPEN
DITCH DRAINAGE SYSTEM



PROPOSED ROADWAY REPAIR
WITH ASPHALT PAVING ONLY



PROJECT NAME:	OLD RIVER WINFREE IMELDA GLO APPLICATION PROJECT EXHIBIT
PROJECT NUMBER:	GCL708-2
PREPARED FOR:	CITY OF OLD RIVER WINFREE
DATE:	JULY 2022

PROPOSED ROADWAY & DRAINAGE IMPROVEMENTS



TBPE Firm No. 18904
604 W. Worsham St., Suite 100
Willis, TX 77378
936-256-2626



CDBG-DR: 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 Old Winfree					
Site/Activity Title:	Roadway Rehabilitation and Drainage Improvements					
Eligible Activity:	Repair of existing road and drainageswale					
Materials/Facilities/Services	\$/Unit	Unit	Quantity	Construction	Acquisition	Total
Mobilization	\$ 46,000.00	LS	1	\$ 46,000.00	\$ -	\$ 46,000.00
SWPPP & Stabilized Construction Entrance	\$ 10,000.00	LS	1	\$ 10,000.00	\$ -	\$ 10,000.00
Roadway Demolition	\$ 10.00	SY	13000	\$ 130,000.00	\$ -	\$ 130,000.00
Subgrade Stabilization and Preparation	\$ 5.00	SY	13000	\$ 65,000.00	\$ -	\$ 65,000.00
Asphalt Road Paving	\$ 50.00	LF	4500	\$ 225,000.00	\$ -	\$ 225,000.00
Storm Sewer Swale Rehabilitation	\$ 15.00	LF	2500	\$ 37,500.00	\$ -	\$ 37,500.00
Roadside Storm Ditch	\$ 20.00	LF	1750	\$ 35,000.00	\$ -	\$ 35,000.00
Storm Culverts	\$ 95.00	LF	2500	\$ 237,500.00	\$ -	\$ 237,500.00
Provide Trench Safety	\$ 2.00	LF	5000	\$ 10,000.00	\$ -	\$ 10,000.00
Traffic Control Plan	\$ 10,000.00	LS	1	\$ 10,000.00	\$ -	\$ 10,000.00
	\$ -		0	\$ -	\$ -	\$ -
TOTAL	\$ 66,197.00			\$ 806,000.00	\$ -	\$ 806,000.00

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

The roadway rehabilitation and storm drainage improvements would not add operation or maintenance costs.

2. Identify and explain any special engineering activities.

Geotechnical report and analysis. Engineering Survey of the project vicinity is also anticipated.



Seal

Date: 2022.07.06

Phone Number: 936-207-9984

Signature of Registered Engineer/Architect
Responsible For Budget Justification: