

Department of Homeland Security Federal Emergency Management Agency

General Info

Project #	9914	Project Type	Standard
Project Category	G - Parks, Recreational Facilities, and Other Items	Applicant	League City, City of (167-41980-00)
Project Title	LEAGUE CITY CLEAR CREEK NATURE CENTER	Event	4332DR-TX (4332DR)

Damage Description and Dimensions

The Disaster # 4332DR, which occurred between **08/23/2017** and **09/15/2017**, caused:

Damage #42539; Clear Creek Nature Center

General Facility Information:

- **Facility Type:** Beaches
- **Facility:** Shoreline on Clear Creek in Clear Creek Nature Center
- **Facility Description:** Rip/Rap and geotextile fabric to protect equalization pipes and shoreline. This structure maintains a minimum level in the Stock Pond. Shoreline and bank provide dam effect to maintain the Stock Pond water level.
- **Approx. Year Built:** 1969
- **Location Description:** League City Boat Ramp and Park FM 270 in League City provide boat access to facility located downstream on Clear Creek. Boat Ramp and facility all are located with in boundaries of Clear Creek Nature Center in League City, TX 77573.
- **Start GPS Latitude/Longitude:** 29.533409, -95.085973
- **End GPS Latitude/Longitude:** 29.53369, -95.085958
- **Design Elevation:** 2 ft to 4 ft
- **Design Slope:** 45 degrees
- **Pre- and Post-Storm Profiles Available?:** Yes

General Damage Information:

- **Date Damaged:** 8/25/2017 to 9/3/2017
- **Cause of Damage:** Rip/Rap, geotextile installed in 2017 before Harvey was damaged by Harvey. The shoreline along Clear Creek and between the Stock Pond experienced soil loss from Harvey. This area is ecologically sensitive and the shoreline and bank provide a dam effect to keep minimum water level in the stock pond. Level is controlled by the equalization pipes. Level is effected by the tides and water level of Clear Creek. The damage was caused by overland flooding of Clear Creek and the Stock Pond.

Facility Damage:

- Beach, 148.15 CY of scoured shoreline erosion at GPS 29.533515, -95.085954 north of existing rip/rap as shown on location maps , 50 FT long x 20 FT wide x 4 FT deep, localized scoured shoreline erosion from overland flooding from Clear Creek and the Stock Pond, 0% work completed.
- Beach, 1,000 SF of existing geotextile fabric under existing rip/rap., 50 FT long x 20 FT wide, existing geotextile installed after April 2017 at GPS 29.533409, -95.085973 was ripped and damaged by overland flooding of Clear Creek from Harvey. , 0% work completed.
- Beach, 37.04 CY of Existing rip/rap stones 6 inches to 18 inches , 50 FT long x 20 FT wide x 1 FT deep, Existing rip/rap at GPS 29.533409, -95.085973 was undermined/shifted by soil loss from loss of geotextile fabric and high velocity currents from overland flooding of Clear Creek. , 0% work completed.
- Beach, 18.15 CY of shoreline erosion (45 degree bank), 245 FT long x 2 FT wide x 2 FT deep, scoured

shoreline erosion from 29.533690,-95.085958 to 29.534290,-95.085781 due to overland flooding from Clear Creek and the Stock Pond, 0% work completed.

- Beach, 181.48 CY of soil from top of shoreline bank, 245 FT long x 20 FT wide x 1 FT deep, scoured soil loss from GPS coordinates 29.533690, -95.085958 to 29.534290, -95.085781 from overland flooding of Clear Creek and the Stock Pond, 0% work completed.

Scope of Work

42539 Clear Creek Nature Center

This damage does not have a scope

Cost

Damage #	Code	Quantity	Unit	Total Cost	Section
				CRC Gross Cost	\$0.00
				Total 406 HMP Cost	\$0.00
				Insurance Reduction	-\$0.00
				<hr/>	
				CRC Net Cost	\$0.00
				Federal Share (90.00%)	\$0.00
				Non-Federal Share	\$0.00

Subgrant Conditions

This Project does not have any Subgrant Conditions

Insurance

Additional Information

There is no additional insurance information on **LEAGUE CITY CLEAR CREEK NATURE CENTER** .

O&M Requirements

There are no Obtain and Maintain Requirements on **LEAGUE CITY CLEAR CREEK NATURE CENTER** .

406 Mitigation

There is no additional mitigation information on **LEAGUE CITY CLEAR CREEK NATURE CENTER** .

Environmental Historical Preservation

Is this project compliant with EHP laws and orders?

Unanswered

EHP Conditions

EHP Additional Info

There is no additional environmental historical preservation on **LEAGUE CITY CLEAR CREEK NATURE CENTER** .

Final Reviews

Final Review

Reviewed By Not Reviewed

Reviewed On Not Reviewed

Review Comments

No comments available for the Final Reviewstep

Recipient Review

Reviewed By Not Reviewed

Reviewed On Not Reviewed

Review Comments

No comments available for the Recipient Reviewstep

Project Signatures

Signed By Unsigned

Signed On Unsigned