

Department of Homeland Security Federal Emergency Management Agency

General Info

Project #	46344	P/W #	4069	Project Type	Estimated Costs
Project Category	G - Parks, Recreational Facilities, and Other Items			Applicant	Galveston County (167-99167-00)
Project Title	Bayshore Park Boat Ramp			Event	4332DR-TX (4332DR)
Project Size	Large			Declaration Date	8/25/2017
Activity	3/31/2026			Incident Start Date	8/23/2017
Completion Date				Incident End Date	9/15/2017
Process Step	Pending Applicant Project Review				

Damage Description and Dimensions

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

Damage #124605; Bayshore park Boat Ramp

General Facility Information:

- **Facility Type:** Parks, Cemeteries, and Recreational Facilities
- **Facility:** Bayshore Park Boat ramp
- **Facility Description:** Water front park with parking and road access that allows the public to launch small recreational boats into Trinity Bay. Overall dimensions of damaged precast concrete pavement sections (also called concrete planks on construction drawings) are approximately 38 ft (total length) x 28 ft- 7 inches (total width) x 6 inches thick. The DDD has details on individual size and quantities of the sections. The onshore ramp was built in 1998. The damaged pre-cast concrete sections of the boat ramp existed in 1998 per the construction drawings provide by the applicant. The installation date of the damaged pre-cast concrete sections is unknown per the applicant. The concrete planks provides the surface to back boat trailer into the water. There is a quantity of 4 individual sections with dimensions of, 13.5 FT long x 4 FT wide x 0.5 FT thick and a quantity of 10 individual sections with dimensions of, 13.5 FT long x 6 FT wide x 0.5 FT thick.
- **Year Built:** 1998
- **Location Description:** 5437 FM 646, Baycliff, TX 77518
- **GPS Latitude/Longitude:** 29.50653, -94.95787

General Damage Information:

- **Date Damaged:** 8/25/2017
- **Cause of Damage:** Storm surge caused concrete planks to be uplifted, undermined and move. The photo page shows movements between 2 inches and 4 inches from a smooth level surface. The uneven driving surface causes difficulties in pulling boat trailers in/out of the water. The photo page documents the uneven surface conditions and tire tracks showing difficulty of pulling boats out the boat ramp. In addition flood waters and storm surge deposited sediment in front of the boat ramp. sediment build up in front of the boat ramp from storm surge and flooding from Harvey has caused shallow water conditions in the boat ramp area. After Harvey applicant noted an increase in boaters complaints concerning sediment build up in the boat ramp area.

Facility Damage:

pre-cast concrete sections "concrete planks":

- Boat Ramp, 4 each of precast concrete plank, 13.5 ft. (L) x 4 ft. (W) x 0.5 ft. (D), storm surge and flood waters caused concrete planks to be uplifted, undermined and move , 0% work completed.
- Boat Ramp, 10 each of precast concrete plank, 13.5 ft. (L) x 6 ft. (W) x 0.5 ft. (D), storm surge and flood waters caused concrete planks to be uplifted, undermined and move , 0% work completed.

Sediment in front of boat ramp:

- Boat Ramp, 267 CY of sediment in front of boat ramp, 60 FT long x 40 FT wide x 3 FT deep, sediment build up in front of the boat ramp from storm surge and flooding from Harvey has caused shallow water conditions in the boat ramp area. , 0% work completed.

Final Scope

124605 Bayshore park Boat Ramp

***** Version 1 – Cost Change Request *****

Version 1 was created to request the obligation of additional funds to complete this scope of work and mitigation for the Bayshore Park Boat Ramp. The Applicant is claiming additional funds towards DAC.

SOW from previous version has been removed from current SOW. It can be found in the "Versioning and Amendment" tab in GM.

Work to be Completed

The applicant will utilize contracts for repairs to the boat ramp to restore facilities.

Contract

Galveston County is requesting the obligation of additional funds to complete this scope of work and mitigation for the Bayshore Park Boat Ramp. The reason for requesting this change is because the current project costs are significantly higher than the initial 2019 estimate due to increased labor, materials, and equipment costs, as well as costs related to handling of sediment materials prior to transport and legal disposal.

Over the past few years, the project was delayed due to a lengthy permitting and State-required owner leasing requirement that have now been resolved. In addition, survey work was completed at the project site to compile the most accurate cost estimate for this project.

Work to be Completed: \$99,419.04

Total Version 0: \$124,789.68

Total Version 1: \$104,419.04 (*Adds additional costs to the project due to increased construction costs*)

Total Project Cost: \$229,208.72

Project Notes:

1. All site estimates for work to be completed were generated by the Applicant and validated for reasonable cost using S means. See attachment labeled 46344 – 4332 TX – CRC Cost Validation – V1 - 4.7.25.xlsx.
2. All borrow or fill must come from pre-existing stockpiles, material reclaimed from maintained roadside ditches (provided the designed width or depth of the ditch is not increased), or commercially procured material from a source existing prior to the event. For any FEMA-funded project requiring the use of a non-commercial source or a commercial source that was not permitted to operate prior to the event (e.g. a new pit, agricultural fields, road ROWs, etc.) in whole or in part, regardless of cost, the Applicant must notify FEMA and the Recipient prior to extracting material. FEMA must review the source for preservation laws and executive orders prior to a subrecipient or their contractor commencing borrow extraction. Consultation and regulatory permitting may be required. Non-compliance with this requirement may jeopardize receipt of federal funding. Documentation of borrow sources utilized is required at closeout.
3. Projects that involve work in/or near water or wetlands, including dredging or filling, in-stream debris removal, bank stabilization, or changes to culverts, crossings, or bridges, may require a permit from USACE. Applicant is responsible for obtaining any required approvals or permits from USACE prior to the commencement of work. Please see attachments: "*Bayshore Boat Ramp Replacement No Mitigation.pdf*" and "*Bayshore Boat Ramp Replacement with Mitigation.pdf*".
4. The project amendment request for a Scope of Work change has been updated to reflect the current SOW as only a change to the cost of the project. The total project costs differ from the Version 1 request as the Applicant has provided updated costs for repairs and mitigation. The previous SOW remains correct and only the project costs have been updated.
5. Applicant is claiming \$5,000.00 in DAC expenses. \$2,500.00 has been previously captured in V0. The remaining balance is captured in V1.

406 HMP Scope

This version of HMP (with GM Project 46344, Version 1) reflects the Amendment Request submitted by Galveston County dated 11/9/2023 and their response to the RFI dated 4/29/2024 (see HMP Notes). The Amendment requested additional funds due to higher project costs. There is NO change in the HMP Scope between Version 0 and 1.

HMP Address: 5437 FM 646, Bacliff, TX 77518

Floodplain Info: Located in Zone X of FEMA Floodplain Map #48167C0064G Dated 2/28/2018

Damage Description: Storm surge caused concrete planks to be uplifted, undermined, and displaced. Pictures taken showed displacements of 2 inches to 4 inches from a smooth level surface. The uneven surface of the ramp causes difficulties in pulling boat trailers in/out of the water. In addition, flood waters and storm surge deposited sediment in front of the boat ramp. Sediment build-up in front of the boat ramp from storm surge and flooding from Harvey has caused shallow water conditions in the boat ramp area. After Hurricane Harvey, applicant has noted an increase in boaters' complaints concerning sediment build-up in the boat ramp area.

Mitigation Scope:

The storm surge from Hurricane Harvey increased the impact of waves, flooding, and tidal action forces. This caused the segmented concrete ramp to be displaced and damaged. The proposed mitigation increases the thickness of the concrete ramp from 6-inches to 10-inches and adds a toe wall. The increased weight of the concrete and singularity of the proposed concrete ramp (versus the individual panels that currently exist) will secure the ramp from movement due to hydrostatic forces. The toe wall installation will prevent the sliding of the ramp toward the water. The existing ramp is approximately 28' 7" in width.

According to the "Nationwide Permit 36-Boat Ramps" (Effective Date: March 19, 2017; Expiration Date: March 18, 2022), waivers can be granted for ramps wider than 20 feet in width by the district engineer. Estimate of the project cost without mitigation is \$193,208.72 and is \$277,009.06 with mitigation. These costs do NOT include contingencies, DAC, and engineering cost (see HMP Notes).

Feasibility, Cost Effectiveness & Policy Eligibility:

Mitigation cost is computed as $\$277,009.06 - \$193,208.72 = \$83,800.34$.

Cost Effectiveness = mitigation cost / eligible repair cost = $\$83,800.34 / \$193,208.72 = 43\%$

This mitigation measure is technically feasible and meets the cost effectiveness criteria based on:

Mitigation measure is listed in Appendix J and is within 100% of the total eligible repair cost of the facility or facilities for which the mitigation applies.

In accordance with FEMA Public Assistance Program and Policy Guide (PAPPG) V3.1, 2018, Chapter 2, Section VII.C and Appendix J Section II.B. Marine and Pier Ramps, this mitigation measure does not exceed 100 percent of the eligible repair cost and is considered to be cost-effective.

General:

Public Assistance Program and Policy Guide (PAPPG), Chapter 2, V3.1 2018, considers mitigation measures to be cost-effective if the measure does not exceed 15% of the total eligible repair costs, does not exceed 100% if repair is specifically listed in Appendix J: Cost-Effective Hazard Mitigation Measures, or Applicant demonstrates cost effectiveness through an acceptable benefit-cost analysis. If this Hazard Mitigation Proposal (HMP) is approved and the mitigation is not performed, the Applicant must apply for a change in the scope of work and de-obligation of the HMP funding. If the final design scope of work is different from the one submitted in this HMP, the applicant should submit a change in scope request. This HMP is for estimating purposes only. If the site's final placement and configuration are different from the preliminary estimate, the applicant should submit a change in scope request, so FEMA can review to ensure program and EHP compliance.

This HMP is subject to further review prior to award.

HMP Notes:

- Amendment Request Document

23-11-109847_DR4332_TX_Galveston_Co_PW4069_Cost_TIRO_Logged_11-14-23.pdf

- Reference documents provided by Galveston County in their RFI response dated 04/29/2024:

1 - Bayshore Boat Ramp Replacement with Mitigation.pdf

2 - Bayshore Boat Ramp Replacement No Mitigation.pdf

3 - AB30day 375lf8ft 042424.pdf

[illegible]

Cost

Code	Quantity	Unit	Total Cost	Section
9009 (Material)	1.00	Lump Sum	\$538.44	Completed
9901 (Direct Administrative Costs (Subgrantee) - V1)	1.00	Lump Sum	\$2,500.00	Uncompleted
9901 (Direct Administrative Costs (Subgrantee) - V1)	1.00	Lump Sum	\$2,500.00	Uncompleted
9001 (Contract - V1)	1.00	Lump Sum	\$101,919.04	Uncompleted
9001 (Contract)	1.00	Lump Sum	\$121,751.24	Uncompleted

CRC Gross Cost \$229,208.72

Total 406 HMP Cost \$83,800.34

Total Insurance Reductions \$0.00

CRC Net Cost \$313,009.06

Federal Share (90.00%) \$281,708.16

Non-Federal Share (10.00%) \$31,300.90

Award Information

Version Information

Version #	Eligibility Status	Current Location	Bundle Number	Project Amount	Cost Share	Federal Share Obligated	Date Obligated
0	Eligible	Awarded	PA-06-TX-4332-PW-04069(5291)	\$139,958.98	90%	\$125,963.08	7/9/2019
1	Eligible	In Review		\$137,050.08	90%	\$0.00	

Drawdown History

EMMIE Drawdown Status As of Date	IFMIS Obligation #	Expenditure Number	Expended Date	Expended Amount
No Records				

Obligation History

Version #	Date Obligated	Obligated Cost	Cost Share	IFMIS Status	IFMIS Obligation #
0	7/9/2019	\$125,963.08	90%	Accepted	4332DRTXP00040691

Subgrant Conditions

- As described in 2 CFR, Part 200 § 200.333, financial records, supporting documents, statistical records and all other non-Federal entity records pertinent to a Federal award must be retained for a period of three (3) years from the date of submission of the final expenditure report or, for Federal awards that are renewed quarterly or annually, from the date of the submission of the quarterly or annual financial report, respectively, as reported to the Federal awarding agency or pass-through entity in the case of a sub-recipient. Federal awarding agencies and pass-through entities must not impose any other record retention requirements upon non-Federal entities. Exceptions, Part 200.333, (a) – (f), (1), (2). All records relative to this Project Worksheet are subject to examination and audit by the State, FEMA and the Comptroller General of the United States and must reflect work related to disaster-specific costs.
- In the seeking of proposals and letting of contracts for eligible work, the Applicant/Subrecipient must comply with its Local, State (provided that the procurements conform to applicable Federal law) and Federal procurement laws, regulations, and procedures as required by FEMA Policy 2 CFR Part 200, Procurement Standards, §§ 317-326.
- Direct Administrative Costs (Subrecipient) has been estimated based on the total project value. The Subrecipient has been notified that back-up documentation will be requested at close-out which supports all costs incurred for assistance in formulating or administering this project assistance grant.
- The Recipient must submit its certification of the applicant's completion of this project, the final claim for payment, and supporting documentation within 180 days from the date that the applicant completes the scope of work. Project Worksheets written as large projects (costs above the large project threshold) are reimbursed based on the actual eligible final project costs. Therefore, during the final project reconciliation (closeout), the project may be amended to reflect the reconciliation of actual eligible costs.
- When any individual item of equipment purchased with PA funding is no longer needed, or a residual inventory of unused supplies exceeding \$5,000 remains, the subrecipient must follow the disposition requirements in Title 2 Code of Federal Regulations (C.F.R.) § 200.313-314.
- The terms of the FEMA-State Agreement are incorporated by reference into this project award under the Public Assistance grant and the applicant must comply with all applicable laws, regulations, policy, and guidance. This includes, among others, the Robert T. Stafford Disaster Relief and Emergency Assistance Act; Title 44 of the Code of Federal Regulations; FEMA Policy No. 104-009-2, Public Assistance Policy and Program Guide; and other FEMA policy and guidance.
- The DHS Standard Terms and Conditions in effect as of the date of the declaration of this major disaster are incorporated by reference into this project award under the Public Assistance grant, which flow down from the Recipient to subrecipients unless a particular term or condition indicates otherwise.
- The Uniform Administrative Requirements, Cost Principles, and Audit Requirements set forth at 2 C.F.R. pt. 200 apply to this project award under the Public Assistance grant, which flow down from the Recipient to all subrecipients unless a particular section of 2 C.F.R. pt. 200, the FEMA-State Agreement, or the terms and conditions of this project award indicate otherwise. See 2 C.F.R. §§ 200.101 and 110.
- The applicant must submit a written request through the Recipient to FEMA before it makes a change to the approved scope of work in this project. If the applicant commences work associated with a change before FEMA approves the change, it will jeopardize financial assistance for this project. See FEMA Policy No. 104-009-2, Public Assistance Program and Policy Guide.
- Pursuant to section 312 of the Stafford Act, 42 U.S.C. 5155, FEMA is prohibited from providing financial assistance to any entity that receives assistance from another program, insurance, or any other source for the same work. The subrecipient agrees to repay all duplicated assistance to FEMA if they receive assistance for the same work from another Federal agency, insurance, or any other source. If an subrecipient receives funding from another federal program for the same purpose, it must notify FEMA through the Recipient and return any duplicated funding.

Insurance

Additional Information

4/7/2025

Project reworked for the following changes:

- Project was returned for additional DAC costs. No change to repair scope. No change to HMP scope and cost.

There are no additional insurance related concerns following the rework of this project.

Justin Holmes / Insurance Specialist
CRC Central / Denton, TX

10/3/2024

Project reworked for the following changes:

- Change to Cost, revising SOW Cost & 406 HMP Cost.

There are no additional insurance related concerns following the rework of this project.

Justin Holmes / Insurance Specialist
CRC Central / Denton, TX

4/4/2024

Project sent back to the lane for a cost adjustment. No change to previous insurance determination.

Josselyn Castellanos, Insurance Specialist, CRC-Central

05/14/2019

FACTS

(Narrative revised 05/14/2019 and supersedes previous review): During the incident period (08/23/2017 to 09/15/2017) Storm Surge damaged Bayshore Park Boat Ramp, 5437 FM 646, Baycliff, TX 77518 (29.50653, -94.95787).

FINDINGS

Galveston County provided a Texas Windstorm Insurance Association policy #20754622 effective 11/01/2016 to 11/01/2017 with a limit of \$82,312,415 (Building) and \$11,890,693 (Contents) with 5% per item deductible. The TWIA policy excludes coverage for "Wharves, docks, piers, boathouses, bulkheads or other structures located over or partially over water and the property in or on it". Insurance proceeds are not anticipated.

The applicant insures multiple buildings with NFIP policies however the boat ramp cannot be insured with an NFIP flood policy. Insurance proceeds are not anticipated.

FEMA requires the Applicant to take reasonable efforts to pursue claims to recover insurance proceeds that it is entitled to receive from its insurer(s). In the event that any insurance proceeds are received for these expenses those proceeds must be reduced from FEMA Public Assistance funding to ensure no duplication of benefits has occurred.

Prior to final closeout of this project, cost adjustments will be required to reflect the actual insurance proceeds received for the damaged facility to ensure there are no duplication of benefits. In addition, the insurance requirement to obtain and maintain coverage for the specified cause of loss will also need to be adjusted to reflect the final cost of repair or replacement prior to any reduction for insurance recoveries.

REPETITIVE DAMAGES

No previous disaster requirements found.

REQUIREMENTS

The facility identified in this project worksheet does not meet the National Flood Insurance Program (NFIP) definition of a building, therefore the items cannot be insured for flood under a standard NFIP flood policy. A standard NFIP flood policy is the primary factor used to determine if a structure or item can be reasonably insured for the peril of flood. As a result, the requirement to obtain and maintain insurance is not being mandated for the work described in this project. Michael Simington, Insurance Specialist, CRC Denton TX

O&M Requirements

There are no Obtain and Maintain Requirements on **Bayshore Park Boat Ramp**.

406 Mitigation

5/14/2019 The proposed mitigation to increase the thickness of the concrete from 6-inches to 10-inches and adds a toe wall to prevent future uplifting and undermining is technically feasible and cost effective as per the 15% Rule, FEMA PAPP, 2018, pg 99-100. Therefore, this proposal valued at \$15,169.30 is recommended as eligible for FEMA 406 Mitigation funding. D.Hu

Environmental Historical Preservation

Is this project compliant with EHP laws, regulations, and executive orders?

Yes

EHP Conditions

- Any change to the approved scope of work will require re-evaluation for compliance with NEPA and other Laws and Executive Orders.
- This review does not address all federal, state and local requirements. Acceptance of federal funding requires recipient to comply with all federal, state and local laws. Failure to obtain all appropriate federal, state and local environmental permits and clearances may jeopardize funding.
- If ground disturbing activities occur during construction, applicant will monitor ground disturbance and if any potential archaeological resources are discovered, will immediately cease construction in that area and notify the State and FEMA.
- Applicant must coordinate with the local floodplain administrator, obtain required permits prior to initiating work, and comply with any conditions of the permit to ensure harm to and from the floodplain is minimized. All coordination pertaining to these activities should be retained as part of the project file in accordance with the respective grant program instructions.
- Applicant must comply with the appropriate local floodplain management ordinance or best available data as defined by Preliminary Flood Insurance Rate Map (FIRM) panel number 48167C0064G, dated February 28, 2018, whichever is more restrictive per EO 11988 Sec. 2(a)(1). Applicant must coordinate with the local floodplain administrator, obtain any required permits prior to initiating work, and comply with any conditions of the permit to ensure harm to and from the floodplain is minimized. All coordination pertaining to these activities should be retained as part of the project file in accordance with the respective grant program instructions.
- The applicant is responsible for coordinating with and obtaining any required Section 404 Permit(s) from the United States Army Corps of Engineers (USACE) and/or any Section 401/402 Permit(s) from the State prior to initiating work. The applicant must comply with all conditions of the required permit(s). All coordination pertaining to these activities should be retained as part of the project file in accordance with the respective grant program instructions.
- The applicant is required to coordinate with the Texas General Land Office's Coastal Resources Division prior to starting work to ensure that the proposed activity, its associated facilities, and their probable effects comply with the relevant enforceable policies of the Texas Coastal Management Program (CMP), and that the proposed activity will be conducted in a manner consistent with such policies.

EHP Additional Info

There is no additional environmental historical preservation on **Bayshore Park Boat Ramp**.

Final Reviews

Final Review

Reviewed By CLEBOURN-MCPHERSO, TOYA V.

Reviewed On 04/14/2025 5:36 PM CDT

Review Comments

Project has been reviewed and is recommended as eligible.

Recipient Review

Reviewed By Lipe, Kaitlyn

Reviewed On 04/18/2025 12:21 PM CDT

Review Comments

No issues identified, advancing for Applicant Review.

Project Signatures

Signed By Thomas, Betsy

Signed On 07/01/2019