

CEPRA Project No. \_\_\_\_\_  
(Agency Use Only)

**PROJECT GOAL SUMMARY (PGS) APPLICATION FORM**  
For Erosion Response Project Funding Under the  
Coastal Erosion Planning and Response Act (CEPRA)  
Cycle 7

*Potential project partners must submit all required information using this form.*

**Applicant Information**

Application Type:  Regular Submission  Emergency Submission

If emergency submission, briefly explain the emergency situation the project proposes to mitigate: **N/A**

PGS Application Submittal Date (mm/dd/yy): **06-04-2012** Date Received: \_\_\_\_\_  
(Agency Use Only)

Project Title: **Habitat and Dune Restoration at Dellanera Park**

Name of Potential Project Partner: **Galveston Park Board of Trustees**

Physical Address: **601 Tremont**

City: **Galveston** Zip+4: **77550-**

Point of Contact (POC): **Ms. Kelly de Schaun** Title: **Executive Director**

Phone: **409-797 5141** Fax: **409 - 762 - 8911**

Email: [kdeschaun@galvestonparkboard.org](mailto:kdeschaun@galvestonparkboard.org)

Authorizing Official (if different from POC): **Same as above Ms. Kelly de Schaun**  
Title: **Executive Director**

**Project Type** (check all that apply)

- |   |   |
|---|---|
| <input checked="" type="checkbox"/> Beach Nourishment         | <input checked="" type="checkbox"/> Dune Restoration                |
| <input checked="" type="checkbox"/> Shoreline Protection      | <input type="checkbox"/> Marsh Restoration or Protection            |
| <input type="checkbox"/> Study/Research Project               | <input type="checkbox"/> Debris Removal                             |
| <input type="checkbox"/> Demonstration Project                | <input checked="" type="checkbox"/> Storm Damage Mitigation Project |
| <input type="checkbox"/> Post-Storm Damage Assessment Project |   |
| <input type="checkbox"/> Other (describe):                    |   |

For Beach Nourishment and Dune Restoration projects only:

Does project incorporate beneficial use of dredged material (BUDM)?  yes  no

Is a sand source identified for beach nourishment?  yes  no

If "Yes" to either of the above two questions, please respond to the following:

1. Location of sand source: **Upland dredged material disposal site at Ryan Marine**
2. Owner of sand source: **TBD, Beneficial use of previously dredged material**
3. Cost of sand per cubic yard: **TBD, estimates \$10 - \$25 per cubic yard**

4. Is the source permitted by the US Army Corps of Engineers?  yes  no  
If no, please attach, if available:  
a. sieve analysis of sand  
b. chemical analysis of sand  
c. archeological survey of borrow area
5. Quantity of sand available (cubic yards): **TBD**
6. Describe any availability restrictions:

**Project Length**

For Beach Nourishment and Shoreline Protection projects, linear length of project:  
**Approximately 2,000ft.**

For Marsh Restoration projects, linear length and acreage: **N/A**

**Project Location**

County or counties where project is located: **Galveston County**

State Representative name/district(s) where project is located:  
**Rep. Craig Eiland, Dist. 23**

State Senator name(s) /district(s) where project is located:  
**Sen. Mike Jackson, Dist. 11**

US Congressional Representative name(s) /district(s) where project is located:  
**Rep. Ron Paul, 14<sup>th</sup> Congressional District of Texas**

**Erosion Rate at Project Location**

Describe the erosion rate (feet/year) in the vicinity of the project:  
**~8ft. per year**

Cite the source of information:

**City of Galveston Erosion Response Plan**  
**Bureau of Economic Geology**

**Funding Summary**

Total CEPRA Funds Requested: **\$775,000.00**

Total Partner Federal Match Funding:	<b><u>PW#15155-1</u></b>	<b><u>\$1,171,593.00</u></b>
	<b><u>PW#08409</u></b>	<b><u>\$1,960,364.90</u></b>

Total Partner Non-Federal Match Funding: **10% of PW costs**

Total Project Cost: **\$3,906,957.60**

### Sources of Match Funding

In the table below, list secured or potential sources of match funding including any federal funding sources and in-kind services. **Do not include CEPRA funding in this table.**

Accurately list timelines and limitations associated with funding sources:

Funding Source for Match	Cash Amount	In-Kind Amount	Is funding committed for the Cycle 7 biennium? (Y/N)	Funding Availability Date (mm/dd/yy)	Funding Expiration Date (mm/dd/yy)	Other Constraints (describe)
Galveston Park Board PW# 15155-1	\$1,171,593.00		Y	10/1/2011		
Galveston Park Board PW# 08409	\$1,960,364.90		Y	10/1/2011		
Galveston County FY08 CIAP	\$1,280,000.00		NOT AT THIS TIME	TBD		Requires Commissioners Court approval
General Land Office	~\$16,000,000.00		NOT AT THIS TIME	TBD		Requires GLO approval
Galveston County PW # 15155	\$7,388,197.30		NOT AT THIS TIME	TBD		Requires Commissioners Court approval
<b>TOTALS</b>	\$27,800,155.00					

### Beach Access and Use Plan Eligibility

If the local government(s) within whose jurisdiction(s) the study or project is proposed is/are required to administer a beach/dune program, does/do the local government(s) have a Beach Access and Use Plan in place?  yes  no

If yes, name of the local jurisdiction: **City of Galveston**

### Local Coastal Erosion Response Plan Eligibility

If the local government(s) within whose jurisdiction(s) the study or project is proposed is/are required to administer a beach/dune program, will the local government(s) have submitted a draft erosion response plan to the GLO on or before July 1, 2011?  yes  no

If yes, name of the local jurisdiction: **City of Galveston**

### Hazard Mitigation Eligibility

Is there a Hazard Mitigation Plan in place for the proposed project area?  yes  no

If yes, name of local jurisdiction responsible for hazard mitigation: **City of Galveston**

Is the proposed project eligible for FEMA disaster Public Assistance or mitigation funds under the Hazard Mitigation Grant Program?  yes  no

**Engineered Beach/Dune Maintenance and Monitoring**

If the project is proposing renourishment of an existing engineered beach/dune or is for a new engineered beach/dune nourishment, is an ongoing beach/dune maintenance and monitoring plan in place for the proposed project area?  yes  no

**Project Description** (500-word limit)

Provide a narrative of the project description that addresses each of the following:

Describe the location and geographic scope of the erosion problem:

**The Habitat and Dune Restoration at Dellanera Park is located immediately west of the end of the Galveston Seawall and continues west for approximately 2,000ft. This area includes the western end of the Galveston seawall, the Seascape Condominiums, and Dellanera RV Park. This stretch of shoreline is some of the most erosional beachfront on Galveston Island and also serves to protect the primary evacuation route from west Galveston Island. Sediment transport is predominantly to the west, however due to the existing groinfield sediment is largely contained and prohibited from reaching this area.**

Describe the desired outcome(s) of the proposed project:

**The proposed habitat and dune restoration project is expected to widen the beach and provide increased storm protection for infrastructure, structures, dunes, and evacuation routes along this section of shoreline. The restored habitat would also serve as a basis of protection for endangered species, thus expanding the long-term benefit of the project beyond the original project limits. This project proposes to implement the project footprint of CEPRA project #1391.**

Discuss any prior erosion response work, including a listing of any known erosion response studies and investigations in the vicinity of the proposed project, and whether the proposed project compliments existing erosion response measures:

- **Nourishments were performed at Seascape Condo and Dellanera RV Park in 2003 and 2004. Dune Restoration projects were performed at Seascape Condos and Dellanera RV Park.**
- **This area was part of a regional monitoring study being performed by Galveston County as part of the monitoring agreement for the previous geotube projects.**
- **Following Hurricane Ike the Park Board coordinated with the GLO to implement a clay-core dune project.**
- **It is understood the GLO is conducting a numerical modeling analysis of a new technology not previously attempted in the U.S. and if successful is considering the placement of an erosion control structure**

Describe the proposed work sequencing including, if applicable, whether the proposed project will be divided into phases (e.g. reconnaissance study, preliminary engineering, alternatives analysis/feasibility study, permitting, engineering design, construction):

**The proposed project will consist of the use of the design for CEPRA 1391, (permits have already been obtained excepting City of Galveston permits) bidding, and construction. The project could be divided into design, bidding and construction phases, however, project efficiencies would be gained by continuity of the phases.**

Recommend the preferred erosion response alternative that would address the problem, if known:

**Dune Restoration in coordination with a beach nourishment component- CEPRA 1391.**

**Project Benefits**

Describe the effect and benefits of the proposed project on public safety, access and public infrastructure and property threatened by erosion:

**The primary benefit will be the restoration of the habitat for endangered species and the protection of primary evacuation routes. This will provide much needed storm damage protection for existing infrastructure, such as roads, utilities, and evacuation routes. A direct benefit will be the protection of the west end of the Galveston seawall that is in danger of being flanked and undermined. An additional benefit is the creation of additional public recreation area for local and tourist visitor, and the restoration of endangered species habitat.**

Describe the effects and benefits of the proposed project on private infrastructure and property threatened by erosion:

**The increase in beach width and restoration of the dune provides additional storm protection which is expected to help reduce damage to existing upland structures and property and to ultimately reduce damage claims to the State and FEMA.**

Describe the effects and benefits of the proposed project on natural resources threatened by erosion:

**The widening of the beach and restoration of the dune will place additional sand in to the littoral system, which will benefit dune habitat and development, help protect existing dune vegetation, as well as provide increased area for sea turtle nesting and piping plover habitat.**

Describe whether the proposed project will provide for the beneficial use of dredged material from the construction and maintenance of navigation inlets and channels of the State:

**Yes, the project anticipates using material from an upland dredge disposal area adjacent to Ryan marine in Galveston. This will extend the serviceable life of the disposal area and serve to reduce long term costs associated with the maintenance of the disposal area.**

Describe how project costs are reasonable relative to benefits:

**The costs associated with this project are expected to be far outweighed individually and collectively by the benefits of restoring endangered species habitat, protection of public and private infrastructure, reduction savings in damage to public and private property. The protection of the west end of the Galveston seawall cannot be undervalued. In addition, the increase in public recreational beach will help generate revenue through tourist spending.**

**Project Permitting**

List all required local, state, and federal permits that have been or will need to be acquired to undertake the proposed project:

Permit Type	Estimated Date of Receipt (Month/Year)	Who will obtain permit?
USACE Permit	Already obtained	Galveston Park Board
City of Galveston Beachfront construction	Prior to construction	Galveston Park Board / City of Galveston



Elaborate on any known permitting or regulatory issues that will need to be addressed:  
N/A

For proposed Gulf beach projects, describe how the proposed project will comply with the local beach and dune plan, floodplain administration, and beach access:

**In order to receive a beachfront construction from the City of Galveston all aspects of the regulatory process will be complied with.**

### **Project Phasing and Timeline**

Is this project a single-phase project or one phase of a multi-phase project?

Single-Phase Project

One phase of a multi-phase project

Can the project or phases proposed in this application be completed between 9/1/2011 and 8/31/2013?  yes  no

Describe the phases of the proposed project, if applicable, including a description of the phases that would extend into future funding cycles:

- **Conceptual design review: This work has been performed as part of the previous work effort to obtain the necessary USACE permits.**
- **Permitting: The USACE permitting process is completed.**
- **Preliminary and Final design: These phases have also been completed in support of CEPRA 1391. This project proposes to complete the template of CEPRA 1391 within the area of 2,000 ft. of the west end of the Galveston seawall.**
- **Bidding and award: Bidding and awarding the project and**
- **Construction: Sand placement, dune restoration and beach nourishment with construction observation**
- **As-built surveys and implementation of a monitoring program**

Describe anticipated delays due to permitting timelines, match funding approval/timelines, habitat issues, tourist and bird-nesting season provisions, or approval process timelines from local governing bodies:

**Potential delays include City of Galveston permitting approvals. The proposed sand source is already listed in a USACE permit. Sea turtle nesting season occurs from March 15 to October 31 each year and construction activities will be coordinated to minimize any impacts on this timeframe. It is anticipated this will be coordinated with the necessary construction timing and utilize the late autumn, winter, and early spring months. Wintering piping plover and weather are additional potential delays, but should not significantly affect the project schedule.**

Does an adequate financial infrastructure exist to maintain the project/perform post-project monitoring following construction?  yes  no

If yes, please describe:

**Galveston County, the City of Galveston, and the Park Board of Trustees of the City of Galveston are public government bodies and have the financial infrastructure to handle a project of this size and scope.**

## **Attachments/Supporting Documentation**

### **Project Location Map**

Attach to this application a map with sufficient detail to show the specific geographic location and boundary of the proposed project.

### **Letters of Support**

Please attach to this application letters of support you have received from potential co-sponsors, elected officials, affected jurisdictions, and other stakeholders with an interest in the project. While letters in support of your proposed project are not required, they are strongly recommended.