Beach Restoration, Inc.
Science and Nature Working Together to Save Our Shorelines

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February 8, 2006

Douaine Conner, President
Cameron Parish Police Jurors
P.O. Box 1280
Cameron, La 70631

Re: Coastal Erosion Stabilization Project

Dear Mr. Conner:
On behalf of Joe Mapes and myself, I want to express our sincere gratitude for the opportunity to speak during your recent meeting. I hope you and your jurors found the presentation on our innovative and effective approach to shoreline erosion to be helpful. Pursuant to our discussions in consultation with David Richard, I am enclosing a project summary along with an aerial map that provides a recommended location for the project area.

As we discussed, time is of the essence so please feel free to contact me or Joe Mapes if you need any additional information in order for your colleagues to take the necessary steps with the Department of Natural Resources to commit these funds for this project in Cameron Parish. I can be reached at 615-790-0895 and Joe at 225-268-8572.

Thank you again for your time and consideration. We look forward partnering with Cameron Parish and the state of Louisiana implement effective solutions for your coastline.

Sincerely,

T.M. (Tim) Engle, III

cc: Mr. David Richard
Mr. Joseph Mapes
Mr. Scott Angelle

CAMERON PARISH
LONG TERM RECOVERY
PROJECT SUMMARY SHEET

PROJECT NAME: Cameron Coastal Shoreline Stabilization Project

PRIMARY STAKEHOLDERS: State of Louisiana and Cameron Parish

STAKEHOLDERS: Residents along the Gulf Coast and wetlands that it protects

PROJECT DESCRIPTION (ATTACH PHOTO, MAP, OR DRAWING):
The project entails the stabilization and erosion mitigation for the shoreline in Cameron Parish west of the breakwaters from Little Florida Beach and running west towards Martin Beach. The project will utilize a comprehensive scientific understanding of the local shoreline dynamics including the impact of the updrift breakwater system. The resulting analysis will produce the design and implementation of a long-term soft solution utilizing low profile geo-textile stabilization systems. The overall project will be performed in five distinct phases:

1) Scientifically based data acquisition process
2) Data analysis and System Design
3) Permitting coordination and approval
4) Construction
5) Annual system monitoring

THE ISSUE THE PROJECT WILL ADDRESS (INCLUDING REGIONAL CONTEXT):
This project will be designed to stabilize and assist in the control of erosion for the shoreline in Cameron Parish not protected and potentially impacted by the breakwater system. It will provide protection for property and road systems that run along the shoreline. In addition, this system will help minimize the potentially negative down-drift impacts of the breakwater system and eliminate the possible continuation of an expensive and hard structure system into the existing beach environmental. Additionally the system will minimize the long-term impact of erosion that result from damaging storms and tidal influences.

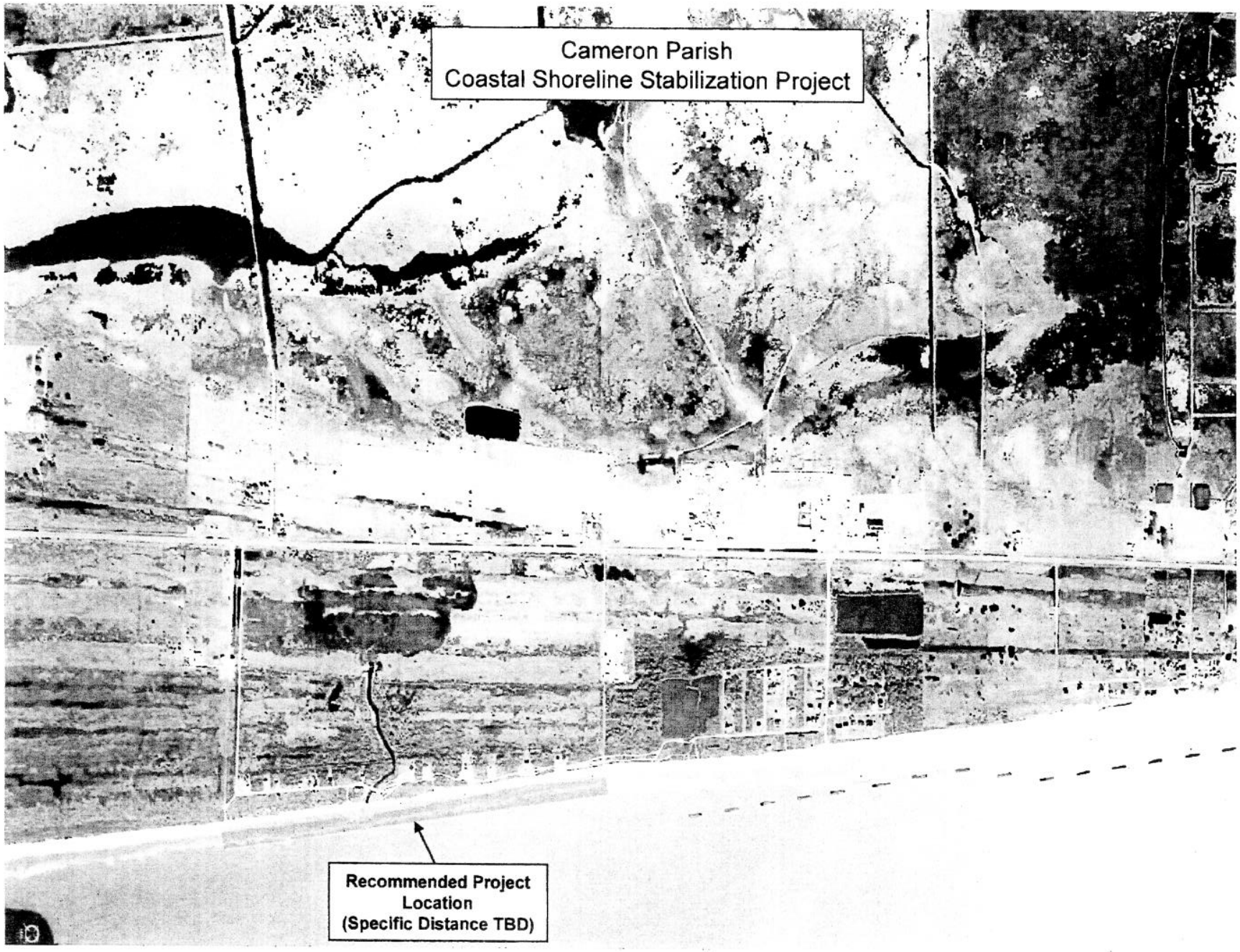
PROJECT BENEFITS (HAZARD MITIGATION, ECONOMIC DEVELOPMENT, ETC):
This project will mitigate for the loss of shoreline caused by the longshore loss of sand. In addition, it will address the negative impacts that may exist due to the up-drift breakwater system. In addition, the system will provide an improved post-storm recovery process by allowing sand lost during significant storm activity to be replenished by the natural movement of sand in the littoral system while at the same time not creating material down-drift impacts due to the low profile and porous nature of the design.

SCOPE OF WORK: A detailed scope of work will be developed by the contractor and will include work items, deliverables and cost associated with each of the five phases proposed. The project will include near-shore low profile geo-textile, sand filled tubes that will work as long-term erosion mitigation and improve shoreline stabilization. The project will include the mobilization of a team comprised of coastal scientist, coastal engineers and geologist for the purpose of identifying the specific causation of erosion in the region including the impacts from the breakwater system. Construction of the system will comprise the pumping of small amounts of local sand into low profile geo-tubes that will be placed perpendicular to the shoreline, buried above mean high water and extending into the water.

COSTS AND POSSIBLE SOURCES OF FUNDING: It is estimated that the total cost for all five phases will range $2.3 - $2.6M.

ANTICIPATED SCHEDULE INCLUDING MILESTONES:
Once project approval is obtained the first milestone will result in the completion of Phase I – Data Acquisition. This process is estimated to take 30-45 days. The second milestone will be the completion of Phase II – Data Analysis and System Design. It is anticipated that this phase will last approximately 60 – 90 days. Completion of Phase II will kick-off the permitting phase.

Once a permit is approved and issued, Phase IV – Construction is estimated to take 2 – 3 months. Upon completion of the construction of the system, an annual monitoring and reporting process will take place and provided to all the applicable agencies. The purpose of the monitoring is to provide the stakeholders with quantitative success results and potential adjustments for optimum performance.


Cameron Parish
Coastal Shoreline Stabilization Project
Recommended Project
Location
(Specific Distance TBD)