



RANDALL-PORTERFIELD
ARCHITECTS, INC.

565 FM 270 North
League City, TX 77573
281-332-6680
Fax: 281-316-6920

July 11, 2012

Kelly de Schaun
Executive Director
Galveston Island
Park Board of Trustees
601 Tremont Street
Galveston Island, TX 77550

Dear Kelly,

Thank-you for the opportunity to meet with you and Mario on the Seawall to discuss Design Objectives and Phase I priorities for Seawall beach enhancement.

Please refer to our "Exhibit A" for the Phase I target areas and objectives.

Exhibit B is our preliminary Project Budget for cost supporting a unit cost of \$50 lf for 4,000 lf or approximately \$200,000 inclusive of labor, equipment, materials, and consulting expenses.

We propose to assist you in the design and vegetation selections for establishing the beach and dune enhancement areas as follows.


Programming	Develop program objectives and cost for construction in the Phase I target areas and meet with permitting agencies	\$4,500
Design	Provide sketches, renderings and design templates for beach and dune profiles	\$7,500
Procurement	Assist in scoping the construction activities to include owner directed forces and private sector vendors for the associated work scope	\$2,000
Observation	Make (10) site visits during construction over approximately 6 to 8 weeks to monitor progress with the design beach profile templates	\$4,000
	TOTAL FEE PROPOSAL	\$18,000

The fee includes approximately (60) hours of the Principal Architects time and approximately (60) hours of staff time with travel and printing of electronic files for your records.

We realize these improvements are within the velocity zone and are highly vulnerable to the elements. However, increasing our awareness in fundamental and appropriate resource management is essential in promoting tourism for the seawall experience as an urban trail. This unique man-made island feature not only offers wonderful vistas and beach on the Gulf of Mexico, but is an essential pedestrian linkage for this unique barrier island.

Again thank you for this opportunity and we look forward to the Park Boards comments.

Sincerely,


Robert Randall
LEED A.P.



SEAWALL BEACH ENHANCEMENTS
PHASE I "EXHIBIT A"
July 11, 2012

Project Intent: To better manage our beach resources and improve beach access and safety for tourism and beach related activities and services.

Objectives:

1. Reduce Erosion caused by hard structure of the Seawall

TASKS:

- A. Reduce wind erosion and blowing sand**
 - 1. Identify critical points where sand is blowing over the Seawall
 - 2. Design and recommend interventions to minimize this phenomena, including alternative building practices for ramps and stairwells, appropriate plantings to capture blow off...
- B. Reduce rainwater runoff erosion**
 - 1. Identify critical points where rainwater runoff is eroding the beach
 - 2. Design and recommend interventions to minimize the phenomena, including on beach drainage systems and vegetation.
 - 3. Oversee the implementation of recommendations

2. Separate beach use areas for safer and cleaner beaches

TASKS:

- A. Identify and mark separate use areas for the deposit of seaweed material**
 - 1. Identify a series of rotating deposit sites for seaweed material to be used throughout the season
 - 2. Mark sites for the installation of sand fencing and establish quantities.
- B. Facilitate the coordination for city and GLO approvals as required.**
- C. Develop 3 to 4 beach profile template drawings for beach profile and slopes.**
- D. Monitor and oversee implementation of fencing areas.**

3. Dune stabilization and enhancement tasks

TASKS:



- A. Develop plant selections for stabilization of fencing and dune target areas.
 - 1. Assist in securing services to provide sprigging of dune vegetation from other public areas.
 - 2. Assist in procurement of dune seeds and plants as funding allows for approved sources and vendors.
- B. Monitor installation through owner's work force or contract vendor.
- C. Follow up on the cost benefit ratio for the beach fencing and dune profile templates possible for future project expansion.
- D. Post evaluation installation areas to measure and determine success of the project objectives.

4. Deliverables:

- A. Site plan (aerial photos from owner furnished city files) for locating the 4 to 5 target areas. 11x17 Exhibits.
- B. Beach template profiles- (3) scaled drawings 11x17 sections showing the enhancement work areas and quantities.
- C. Project budget
- D. Final project cost data
- E. Cost benefit review for Phase I and for planning future phases of beach enhancement areas.



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CITY OF GALVESTON
BOARD OF TRUSTEES
PRELIMINARY BUDGET "EXHIBIT B"
SEAWALL BEACH ENHANCEMENT PROJECT- PHASE I
July 11, 2012

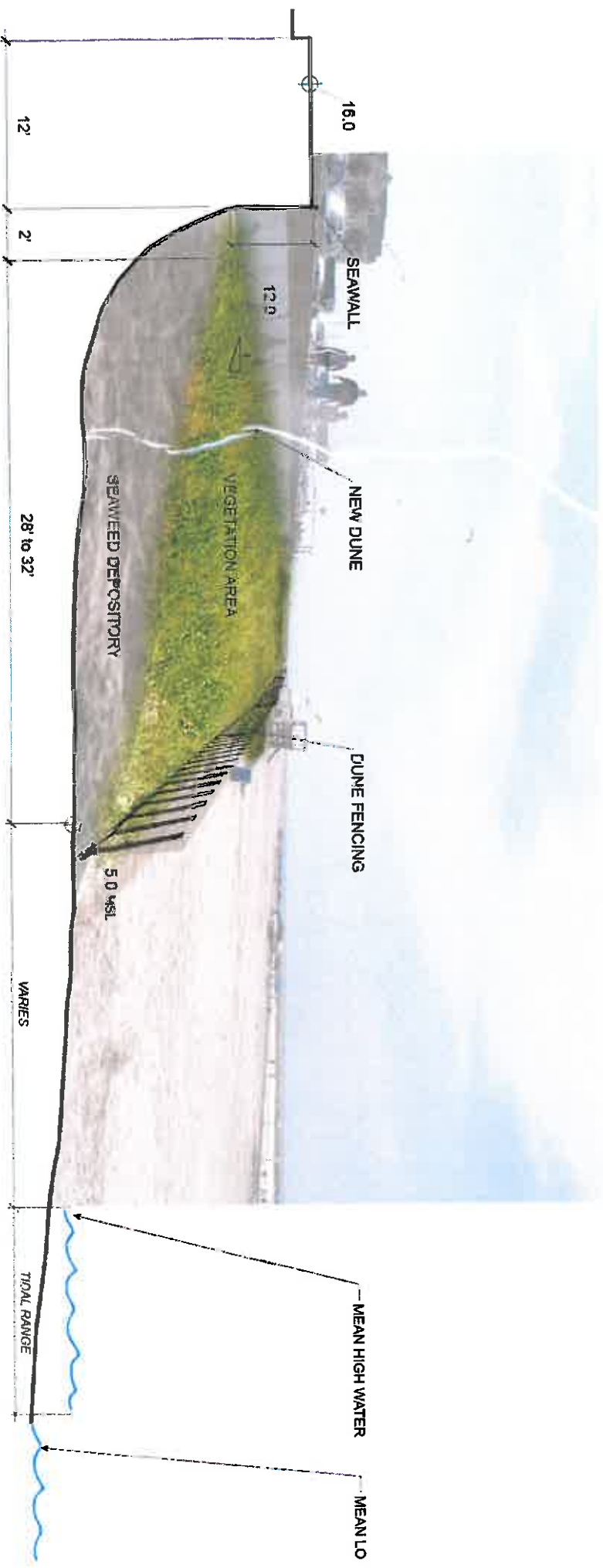
I. TARGET AREAS—Phase I	
A. 61st street to 59th- Gateway Corridor	
B. 59th street to 57th- Convention Center	
C. 29th Street to - Menard Park, Pleasure Pier, Murdocks	
MATERIALS, EQUIPMENT, LABOR AND	
II SERVICES	
1. Sand fencing 4000lf @ \$12.00	\$48,000.00
2. Dune Seeding 80,000sf @ \$0.15sf	\$12,000.00
3. Concrete rip rap @ outfalls 300 tons @ \$30/ton	\$9,000.00
4. Trucking allowance	\$5,000.00
5. Force account labor	\$36,000.00
240 man/hours week x 6 weeks or 1440 man/hours @ \$25.00 hr w/benefits	
6. Front end loader & equipment allowance (3) loaders (6) weeks	\$29,160.00
7. Trailers, tricks, and tools, fuel subtotal 4000	\$15,000.00
SUBTOTAL 1-7 4000lf @ \$38.54lf	\$154,160.00
8. Contingency	\$27,840.00
9. Consulting Design	\$12,000.00
10. Consulting administration and observation	\$6,000.00
TOTAL 4000LF @ \$50.00 = TOTAL PHASE I	\$200,000.00



• @ SEAWALL GATEWAY CORRIDOR | CURRENT



61ST STREET @ SEAWALL GATEWAY CORRIDOR | PROPOSED



CH TEMPLATE | SECTION/ BEACH PROFILE