

**ALABAMA DEPARTMENT OF CONSERVATION AND NATURAL RESOURCES
STATE LAND DIVISION
SPANISH FORT, ALABAMA**

SPECIFICATIONS

FOR

**COASTAL IMPACT ASSISTANCE PROGRAM (CIAP) PROJECT
DESIGN, DEVELOPMENT, AND INSTALLATION OF EXHIBITS ON
GULF STATE PARK PIER
ADCNR PROJECT NO. AL-13**



**ISSUED BY
STATE LANDS
ALABAMA DEPARTMENT OF CONSERVATION AND NATURAL RESOURCES
M. BARNETT LAWLEY, COMMISSIONER, ADCNR
PATRICIA J. POWELL, STATE LANDS DIRECTOR
BOB RILEY, GOVERNOR OF ALABAMA
May 2010**

INCLUDES CHANGES FROM MANDATORY PRE-BID MEETING

BID SPECIFICATIONS
FOR
COASTAL IMPACT ASSISTANCE PROGRAM (CIAP) PROJECT
ALABAMA DEPARTMENT OF CONSERVATION
AND NATURAL RESOURCES

Gulf Shores, AL

COMMODITY CODE:

A. Project Overview

Gulf State Park, located within the City of Gulf Shores, Alabama, is a 6,150-acre park located directly on the Gulf of Mexico. It is a one of 22 State Parks operated by the State Parks Division in the Department of Conservation and Natural Resources (DCNR). In addition to two miles of sugar white sand beaches, the park provides numerous amenities to the public including modern and primitive camping, cottages, trails and fishing. There are also tennis courts, group pavilions, 18-hole golf course, 900 acre lake for fishing, swimming, and water skiing, nature programs, picnic areas and the Gulf State Park Pier. The Gulf State Park Pier replaced a pier that was destroyed in 2004 by Hurricane Ivan and is 1,520 feet long. It was opened to the public on July 23, 2009 and is opened 24 hours a day 7 days a week.

As means to provide the Pier's 400,000 annual visitors with a significant conservation education opportunity, coastal conservation exhibits will be constructed along the length of the pier. These exhibits will provide an opportunity to highlight to the public a variety of coastal conservation and environmental issues including endangered species conservation (i.e. beach mouse, sea turtle), dune protection and ecology, water quality protection, and threats to marine mammals and the marine fishery.

B. Interpretive Objectives

The objectives of this project are to:

1. Provide diverse media to engage various constituent groups.
2. Support active and passive programs for self-directed use in addition to interpretative programming operated by DCNR staff (natural-resource base environmental education programs).
3. Promote positive behaviors and responsible use
4. Provide durable systems which will meet environmental and public use conditions.

C. Target Audience and Themes

The target audience includes all visitors to the Gulf State Park including tourists, recreation fisherman, students from all educational levels, retirees (including snowbirds), and local residents. The themes will include the following coastal conservation topics

including endangered species conservation, dune protection and ecology, water quality protection, and threats to marine mammals and the marine fishing, among others.

D. Deliverables

The vendor shall furnish all materials, labor, equipment, transportation, professional expertise, and other related requirements that are not indentified as proved by DCNR necessary to finish the listed interpretive panels and exhibits. The vendor will be responsible for text development, preliminary design plans, illustration, final design and proofs, panel production and fabrication, installation and warranty of exhibits for one year after installation. Each of the above items must be approved by DCNR prior to the initiation of work.

1. Pier Entrance:

At the pier's entrance, a four-paneled kiosk presenting four 2 x 4 foot vertical panels, will be powder-coated aluminum structure with a metal roof, designed for secure attachment to the existing concrete pad. The design will need engineering certification on the ability to withstand storm force wind loads. The engineering certification for the kiosk shall be stamped by an engineer or architect licensed in the State of Alabama. Each side of the kiosk will include and artistic sandblasted wood header to the title of each panel.

Panels will be outdoor grade high pressure laminate (HPP) or equivalent and subject shall include:

- a) Welcome to the Pier – Intended to support public use and enjoyment of the pier and beach, this panel will include rules and regulations and interpretation of the warning flag system.
- b) Fish and Fishing – This panel will provide an introduction to the variety of fish caught off the pier and interesting marine life that may be seen as well as fishing regulation reminders.
- c) Sea Turtles, Shorebirds, and Beach Mice- This panel will provide interpretation of the importance of the beach and dunes to wildlife as habitat for nesting, feeding, and loafing. This sign should mention the special lighting and use of recycled materials in the displays.
- d) Pier History – This panel will include a pictorial representation of interesting history of pier, including original pier construction and use, hurricane destruction, demolition, replacement with new pier, as well as the creation of artificial reefs.



Pictorial Representation of 4-sided kiosk

2. Turtle Sculpture: One sea turtle sculpture made from concrete should be placed in the sand adjacent to the entry kiosk. This feature should be durable to withstand visitor use and created with no sharp edges or undercuts. The sculpture would be available for photo opportunities and a children's play feature. This turtle shall depict a loggerhead sea turtle (*Caretta caretta*). It should be approximately 6-feet long and 5 feet wide. An artistic, rustic sand blasted sign should be positioned adjacent to the turtles. This sign will contain the Gulf State Park Pier logo visible in a photo opportunity. This sign will also contain an acknowledgment of CIAP Funds. The sign shall contain the following text:

Implementing Conservation through the Reconstruction of the Gulf State Park Pier

The State of Alabama Department of Conservation and Natural Resources
This Conservation Education project is funded with outer continental shelf oil and gas revenues by the Coastal Impact Assistance Program, Minerals Management Service, and U.S. Department of the Interior. The Minerals Management Service Seal will be in the lower right hand corner of the sign. Digital copies of the logo are available from ADCNR.



Rough example of Turtle Sculpture



MMS Logo (to be included on turtle sign)

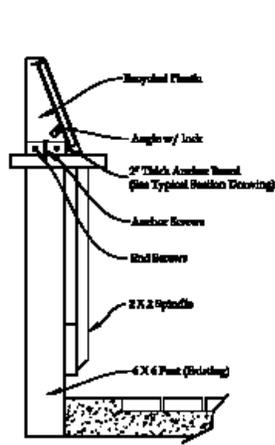
3. Rail-mount Panels

There will be two sections to the rail-mount panels distributed equally.

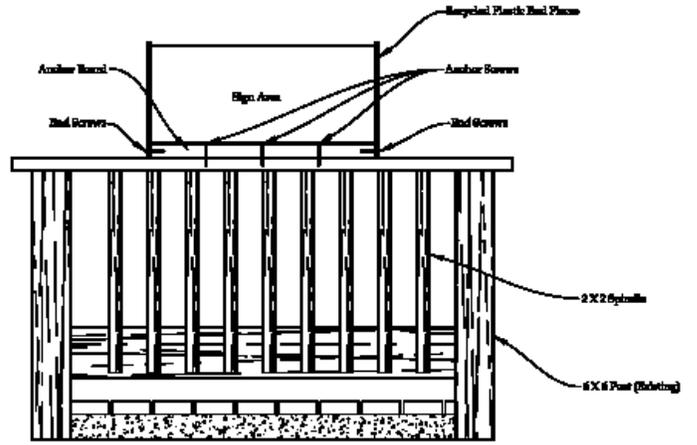
Type 1: For the first part of pier that has an ADA-approved railing, panels will be installed on top of the railing. The panels will be securely attached, on an angle of approximately 15 degrees to the existing 2 X 12" PT top plate. Panels will be approximately 12" X 30" horizontal mounted in a powder-coated aluminum frame. Brightly colored recycled plastic by Fiberforce™ or equivalent will be used on the sides of the interpretive panels to allow visitors to see the panels easily. Rounded edges of the Fiberforce™ product, overall width of 4" or less protruding from the railing, and the bright color will help prevent visitors from colliding with the signs. Duplicates for each sign will be produced in addition to two extra mounting systems. A system for easy attachment, secured with a marine grade keyed or combination lock, such as West Marine or equivalent (AB US model 6848915), needs to be designed and submitted to ADCNR point of contact for approval.

Type 2: For the second part of the pier, where this is not ADA-approved railing, the rail-mount panels will be securely attached, on an angle of approximately 15 degrees, to the existing 2 x 12" PT top plate. Panels will be approximately 12" x 30" horizontal mounted in a powder-coated aluminum frame. A system for easy attachment, secured with a marine grade keyed or combination lock, such as West Marine or equivalent (AB US model 6848915), needs to be designed and submitted to AL DCNR for approval. An example diagram is shown below. Brightly colored recycled plastic by Fiberforce™ or equivalent will be used on the sides of the interpretive panels to allow visitors to see the panels easily. Rounded edges of the Fiberforce™ product, overall width of 4" or less protruding from the railing, and the bright color will help prevent visitors from colliding with the signs. Duplicates for each sign will be produced in addition to two extra mounting systems.

Type 1 Schematic

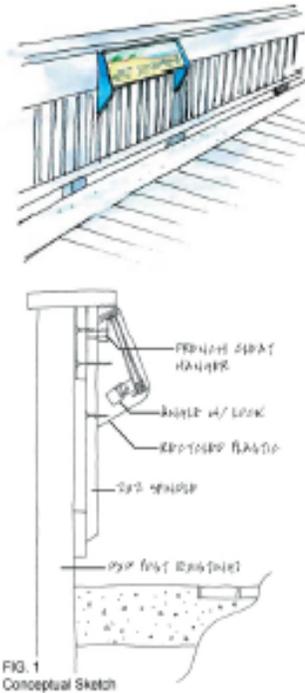


 Cross Section



 Typical Section

Type 2: Rail Mount Panel Schematic (on area that has no ADA-approved railing)



Topics to be covered by rail-mount panels on the ramp are:

- a) *Life's a Beach!* will discuss plants and animals that live on the beach
- b) *In Tune with Dunes* will discuss dune ecology
- c) *Shifting Sands* will discuss the dynamic forces of the beach
- d) *Barrier Islands* will discuss the coastal ecosystem from the beach to the back bay
- e) *Sea Turtles* will discuss the sea turtles that nest on the beach and the threats to survival of sea turtles
- f) *Shorebirds* will provide identification of shorebirds and discussion of proper beach behavior during nesting season.
- g) *Shells and Life in the Sand* will provide identification of common shells and other items, such as shark egg casings and sea beans, that appear on the beach
- h) *Beach Litter* will discuss the issue of litter on the beach, where it comes from, and what responsible citizens can do
- i) *Beach Mouse* will discuss the life history and habitat needs of this endangered species
- j) *Lights Out* will discuss nesting and hatching seasons for sea turtles, with information about nest monitoring and suggestions for responsible use of outdoor lighting on the beach
- k) *Least Tern* will discuss the bird's life history and habitat needs as well as the responsible use of the beach during nesting season

4. Observation Deck and Concession Area (Segment 2)

Three additional panels will be positioned at the covered deck adjacent to the concession. Rail-mount panels will be securely attached, on an angle of approximately 15 degrees, to the existing 2 x 10" PT top plate. Panels will be approximately 12" x 30" horizontal mounted in a powder-coated aluminum frame. A system for easy attachment, secured with a marine grade keyed or combination lock, such as West Marine or equivalent (AB US model 6848915), needs to be designed and submitted to AL DCNR for approval. An example diagram is shown below. Brightly colored recycled plastic by Fiberforce™ or equivalent will be used on the sides of the interpretive panels to allow visitors to see the panels easily. Rounded edges of the Fiberforce™ product, overall width of 4" or less protruding from the railing. Topics for these panels are:

- a) *Pier History*
- b) *Shifting Sands* – wind tides, storm surf
- c) *Where's the Park* – overview of the natural landscape conserved in Gulf State Park

5. Restroom Wall Panels

Framed interpretive panels will be mounted on the walls of the restroom building, adjacent to the existing regulatory sign and in the alcove at the entry to the restrooms. Panels will measure 3 x 4 ft and be protected with UV inhibiting SAR acrylic or Lexan. Frames will be mounted to the concrete block walls with stainless steel hardware. Panels will present information on water quality and the Gulf of Mexico. Interpretive strategies will connect users with the subject through common interests, fostering awareness of environmental issues which should be of concern to users of the pier. As the panels on water quality will be placed at each restroom building entrance, four panels plus duplicates will be produced.

Topics for the interpretative panels mounted on various walls of the restroom building will include:

- a) Relationship of the pier and coastal Alabama in the Gulf of Mexico ecosystem, and environmental issues such as red tide and hypoxic zones
- b) Water quality concerns and impact of water quality on marine environments, relating direct and indirect (upstream watershed) sources of contaminants
- c) Marine debris, including plastics and other contaminants
- d) You Can Help – participant in coastal cleanup activities, don't litter, use appropriate trash containers, recycle



6. Sea Water Intake and Fisheries Management:

A panel discussing the water source for the Claude Petet Mariculture Center will be mounted on a wall near the water intake. One panel with a duplicate will be produced of this panel. Interpretation of the water source for the Claude Petet Mariculture Center will introduce the need for clean water to raise fish stocks. Information will include an overview of the Mariculture Center's operations, as well as the research and monitoring activities that are needed for marine fisheries management. The panel will be mounted in a metal frame and secured to the concrete block wall with stainless steel hardware. Note that all panels will need a protective covering of UV inhibiting SAR acrylic or Lexan.

7. Fish Cleaning Station Panel

A generic fish anatomy panel will be installed at each of two fish cleaning stations. This panel will diagram the bone and organ structures of a fish which might be of interest to fishermen. Information on the panel will promote proper disposal of waste and carcasses and encourage anglers to keep the area clean. The panel will be mounted in a metal frame and secured to the concrete block wall with stainless steel hardware. Note that all panels will need a protective covering of UV inhibiting SAR acrylic or Lexan. The panel will be horizontal format approximately 24" x 42". Two copies of the panel and two backup replacement panels will be required.

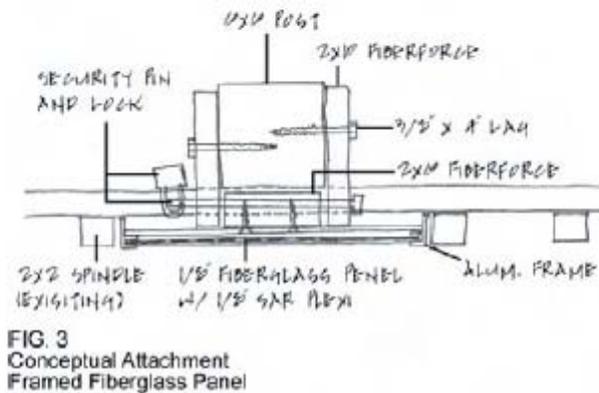
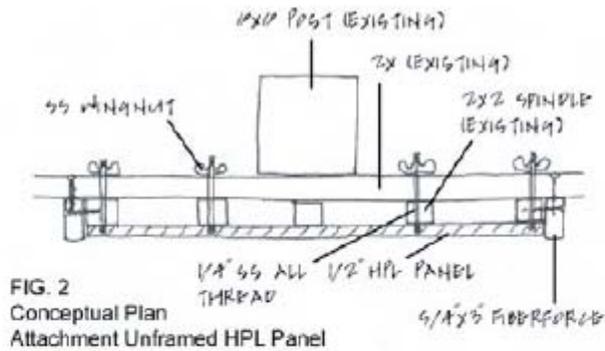
8. Railing Interpretive Panels (fee area of the pier)

The railing of the pier from the concession and observation deck to the restrooms and from the restrooms to the pier terminus will be used to display interpretive panels on a variety of subjects. Panels will be placed on the railing in such a way as to avoid interference with anglers, yet provide information to pier walkers. To avoid conflict between user groups, panels will not be installed on the railing of the fishing zone of the terminus octagon of the pier. Interpretive panels will be installed as integral parts of the railing system on the segment of the pier available to anglers. The panels, or frames containing panels, will be easily removable for safe storage in advance of storms. Note that all panels will need a protective covering of UV inhibiting SAR acrylic or Lexan. The installation and finishes on

installed items should reflect the style and color scheme of the integral light fixtures.



Two panels for each topic will be made for a total of 10 designs, 20 signs, and 20 duplicates. Better resolution of the Railing Interpretive Panels schematic is included below:



Topics for the interpretative panels mounted on railings in the fee area of the pier will include:

- a) Bottom Fish ID – (1) original and (1) duplicate will be provided to install, plus one duplicate for replacement purposes.
- b) Mid Water Column Fish ID – (1) original and (1) duplicate will be provided to install, plus one duplicate for replacement purposes.
- c) Surface Fish ID – (1) original and (1) duplicate will be provided to install, plus one duplicate for replacement purposes.
- d) Migratory Pelagic Fish ID – (1) original and (1) duplicate will be provided to install, plus one duplicate for replacement purposes.
- e) Endangered Species, Turtle Lighting --(1) original and (1) duplicate will be provided to install, plus one duplicate for replacement purposes.
- f) Shore Birds – (1) original and (1) duplicate will be provided to install, plus one duplicate for replacement purposes.
- g) Marine Mammals – (1) original and (1) duplicate will be provided to install, plus one duplicate for replacement purposes.
- h) Fish and Fishing – This panel will provide an introduction to the variety of fish caught off the pier and interesting marine life that may be seen as well as fishing regulation reminders. – (1) original and (1) duplicate will be provided to install, plus one duplicate for replacement purposes.
- i) Artificial Reef Locations and Information– (1) original and (1) duplicate will be provided to install, plus one duplicate for replacement purposes.
- j) Most caught fish of Gulf State Park Pier– (1) original and (1) duplicate will be provided to install, plus one duplicate for replacement purposes.

9. Waste Receptacle and Monofilament Recycling Signs:

Small signs for attachment at various locations on the pier will be needed. Signs will be posted on trash and adjacent to monofilament recycling containers. Signs may be installed at the parking lot and at the concession as needed to encourage positive behavior. Signs may be produced as laminate-protected vinyl adhered to engineer grade 6” x 12” aluminum sign blanks. Aluminum blanks will be predrilled with tow holes for attachment with stainless steel security head screws.



10. Kiosk at Pier Terminus

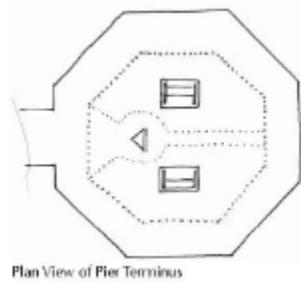
A three-panel kiosk carefully positioned adjacent to the twin roofed shelters will provide an interpretive amenity at the end of the pier. The location will need to be clear of emergency vehicle access and areas designated for parking fishing carts and wagons. This kiosk needs to be designed to be removed in advance of storms. Panels will serve the anglers that congregate at the end of the pier with information on fish species and a reminder of fishing rules and regulations. A second panel will highlight birds, to help all visitors be aware of the commonly observed species. One side will be changeable to provide a seasonal update of topical information.

The kiosk should have a roofline that visually matches the pitch of adjacent structures. Aluminum supports and panel frames will securely attach to the underlying structural support. The design needs to be reviewed by an engineer to certify that the construction and installation will meet storm force wind loads. Each panel will be approximately 2 x 4 ft. in a vertical format, protected with a UV inhibited SAR or Lexan sheet.

Panel topics include:

- a) Pier Fish and Fishing Regulations – (1) original and (1) duplicate.
- b) Coastal and Pelagic Birdlife, including seasonal information – (1) original and (1) duplicate.
- c) Changeable Panels – (4) originals will be provided to install and (1) duplicate of each panel will be needed for replacement purposes.
 - *One Water World* – presenting aspects of the interconnected Gulf, Caribbean Sea, and North Atlantic Ocean including currents, fisheries, pollution and marine debris, and climate change.
 - *Summer* – featuring seasonal wildlife and phenomena, such as hurricanes
 - *Fall and Spring Migration* – featuring examples of migratory species and life histories of selected marine and avian species
 - *Winter* – featuring seasonal wildlife and phenomena





11. Concession Exhibits

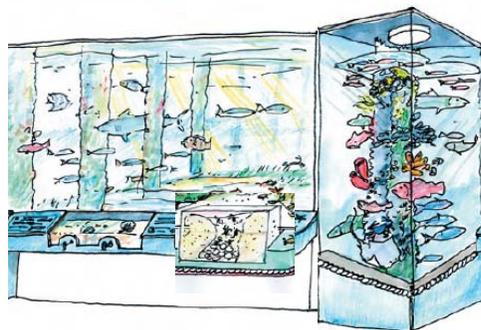
A wall in the climate-controlled concession space will be used for a multi-faceted interactive exhibit. The exhibit will provide hands-on participatory elements and can include audio media and three-dimensional elements. Content should engage users with opportunities to learn about the beach and marine life of the microcosm of pier pilings.

There will be two Alternates for Exhibits.

Alternate 1: Pier Habitat Diorama Marine Species Wall Mural and console.

- a) Pier Habitat Diorama – An accurate replica of a pier piling encrusted with periphyton, sponges, barnacles, and oysters will be positioned inside a corner case. Fish taxidermy models of at least 20 fish specimens and 10 shellfish or invertebrates will be mounted in realistic positions within the case. The bottom of the case should represent marine vegetation (*Caulerpa* sp.), and a sand substrate. The top of the exhibit will represent the water surface as it appears from underwater. The piling will be approximately 10 feet in height. Lighting will be supplied by a fixture with an LED bulb of sufficient wattage to illuminate the case interior. The background of the case should be produced in shaded tones to represent the diminishing light spectrum related to depth. A cabinet will enclose the diorama and seal the display from dust. Glazing will be Scratch and Abrasion Resistant (SAR) acrylic or tempered glass.

- b) Wall Mural -- Marine Species. A wall mural, adjacent to the pier habitat diorama will depict the range of marine species occurring at the pier and in coastal Alabama. Hand-painted art will represent the underwater marine habitat and illustrate species that are too long for the habitat diorama. The wall mural will be an artist's depiction and will be painted on and/or attached to an appropriate substrate. The painting can be painted on or off-site. A key, located on a console below the mural, will challenge visitors to find and identify species.
- i. Tactile models of a sea turtle hatchling and ½ turtle egg will be attached to the console for touching, along with other relief models such as bird tracks, starfish, seahorse, shells, and sea beans.
 - ii. The console will include one interactive sand shifting exhibit. An acrylic vitrine encasing display of cutaway section of a sea turtle hatchling boil emerging from a nest will be incorporated into the console. An audio message will be available, played by a digital message repeater through a focused parabolic speaker. A tactile model of a sea turtle hatchling and ½ egg will be mounted on the console. The console will also contain a plate to identify the specimens on display in the habitat diorama on the mural will serve as a key for identification.
 - iii. A digital message repeater will play ambient audio of hydrophone recordings to present a variety of sounds of the “silent underwater world”, such as dolphins whistles, snapping shrimp, grouper booms, and drum croaks. The audio unit will be activated by a push button, and the message will be heard through a Soundstik™.



Alternate 2: Pier Habitat Diorama, Marine Species Wall Mural, Above Water Beach and Pier Depiction.

- 1) Pier Habitat Diorama – An accurate replica of a pier piling encrusted with periphyton, sponges, barnacles, and oysters will be positioned inside a corner case. Fish taxidermy models of at least 20 fish specimens and 10 shellfish or invertebrates will be mounted in realistic positions within the case. The bottom of the case should represent marine vegetation (*Caulerpa* sp.), and a sand substrate. The top of the exhibit will represent the water surface as it appears from underwater. The piling will be approximately 10 feet in height. Lighting will be supplied by a fixture with and LED bulb of sufficient wattage to illuminate the case interior. The background of the case should be produced in shaded tones to represent the diminishing light spectrum related to depth. A cabinet will enclose the diorama and seal the display from dust. Glazing will be Scratch and Abrasion Resistant (SAR) acrylic or tempered glass.



2) Wall Murals

- a. **Marine Species.** A wall mural, adjacent to the pier habitat diorama will depict the range of marine species occurring at the pier and in coastal Alabama. Hand-painted art will represent the underwater marine habitat and illustrate species that are too long for the habitat diorama. The wall mural will be an artist's depiction and will be painted on and/or attached to an appropriate substrate. The painting can be painted on or off-site. A key, located on a console below the mural, will challenge visitors to find and identify species.

- Tactile models of a sea turtle hatchling and ½ turtle egg will be attached to the console for touching, along with other relief models such as bird tracks, starfish, seahorse, shells, and sea beans.

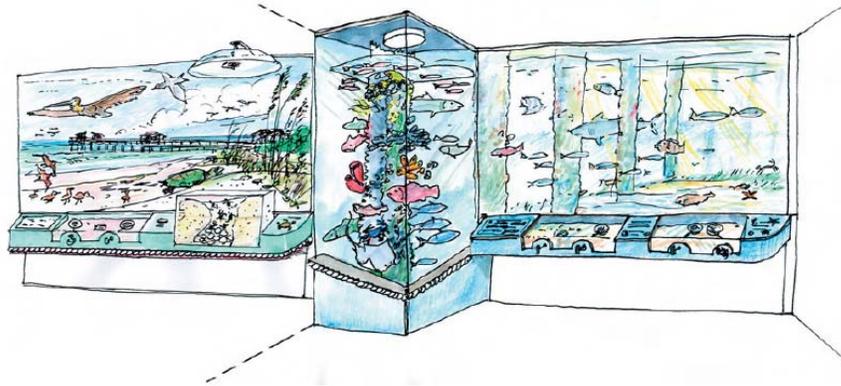
The console will include one interactive sand shifting exhibit. An acrylic vitrine encasing display of cutaway section of a sea turtle hatchling boil emerging from a nest will be incorporated into the console. An audio message will be available, played by a digital message repeater through a focused parabolic speaker. A tactile model of a sea turtle hatchling and ½ egg will be mounted on the console. The console will also contain a plate to identify the specimens on display in the habitat diorama on the mural will serve as a key for identification.

A digital message repeater will play ambient audio of hydrophone recordings to present a variety of sounds of the “silent underwater world”, such as dolphins whistles, snapping shrimp, grouper booms, and drum croaks. The audio unit will be activated by a push button, and the message will be heard through a Soundstik™.

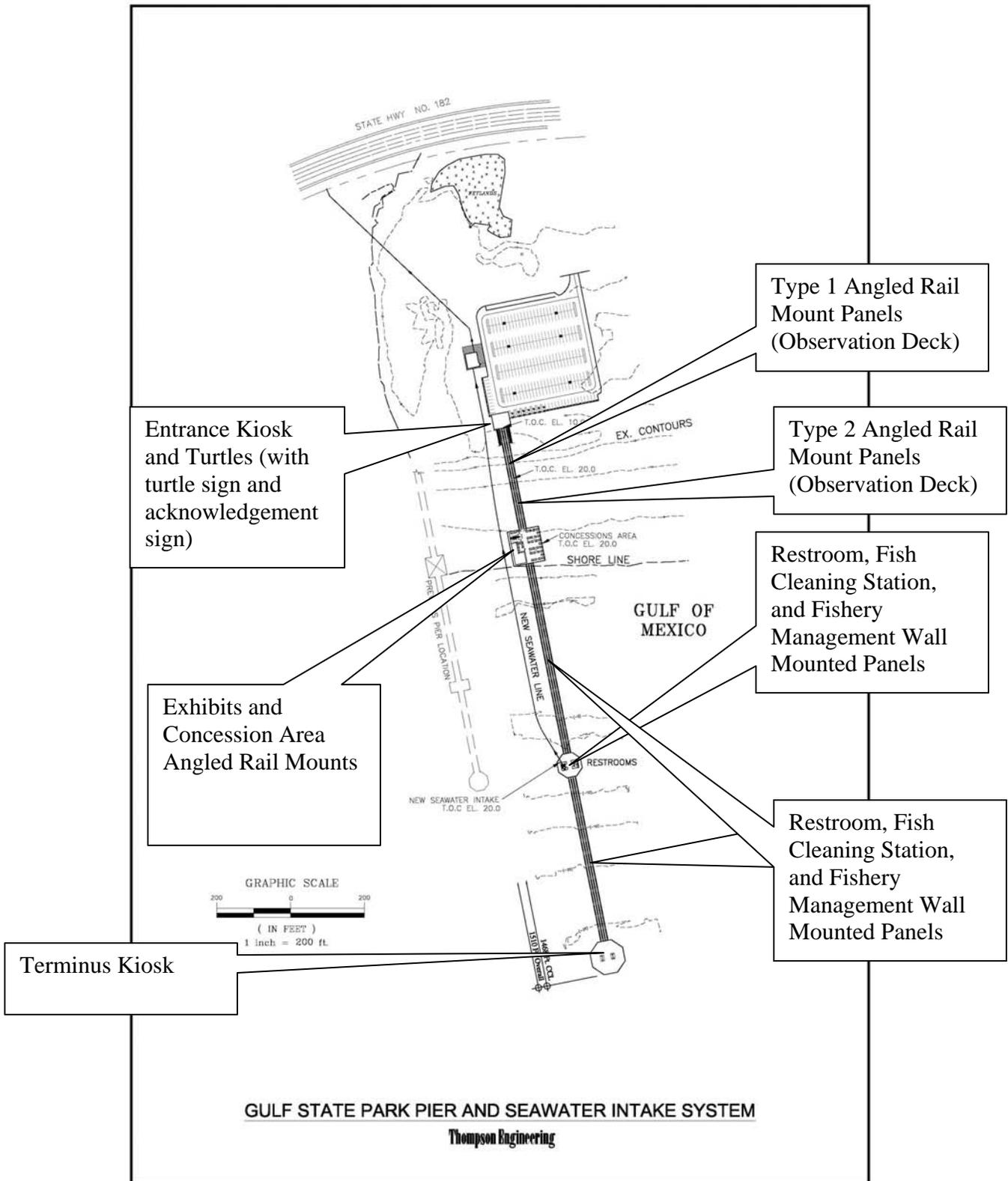
- b. **Above-water depiction of the beach and pier with paintings of shorebirds, sea turtle, dunes, and several flying birds, including a brown pelican.** The wall mural will be an artist's depiction and will be painted on and/or attached to an appropriate substrate. The painting can be painted on or off-site.

- **Interactive Console:** a console positioned below the mural will provide space for labeling and hands-on activities. A display of specimen shells, egg cases, and beach flotsam will be encased under acrylic covers. Visitors will be able to use sifters to manipulate the sand to discover specimens found along the beach shore.

Alternative 2: Marine Species and Beach and Pier Depiction for both rooms in the covered concession and gift store area.



Overall Schematic of Panel, Kiosk and Exhibit Locations



E. General Requirements

1. Content and art developed by contractor must be provided for review and approval of Alabama Department of Conservation and Natural Resources prior to any fabrication.
2. There will be a mandatory pre-bid meeting at the Gulf State Park Pier on May 19, 2010 at 10:00 am. The address for the Gulf State Park Pier is 20800 E Beach Blvd., Gulf Shores, AL 36542.
3. The cost shall include installation of the panel, kiosks, and exhibits.
4. The cost shall include delivery.
5. The delivered product shall consist of full color panels and a combination of text, photos, artwork, maps, and graphics.
6. The vendor shall draft all interpretive and descriptive text based on background provided by the DCNR.
7. The vendor shall will develop and create all artwork, graphics, and maps necessary for the panels. DCNR will provide digital photos.
8. After contract and award and initial planning discussion with DCNR staff, the vendor shall submit basic design drawing for review and approval by the DCNR Point of Contact (POC) before proceeding with detailed design and fabrication. Fabrication of the materials shall conform to the final approved design drawings and specifications provided by the vendor and approved in writing by the DCNR POC.
9. The vendor shall furnish a warranty of at least 1 year on workmanship and 7 years on materials.
10. All locks need to be keyed alike. Combination locks are acceptable.
11. A duplicate set of the panels is required.
12. Three extra replacement SAR acrylic sheets for each type of frame support are required.
13. Duplicate panels will be packaged for safe storage in crate(s) as necessary.
14. One extra complete frame for each type of mounting system is required.
15. All hardware will be monel or stainless steel.
16. Specimen models, taxidermy, and habitat replicas for the piling diorama will be accurate and realistic representations. Procurement of specimens (except the endangered species and birds) will be the responsibility of the exhibit contractor. The contractor will be responsible for legal acquisition, performed with applicable state and federal permits.
17. Installation needs to be coordinated through the DCNR, to avoid disruption of pier use. Work areas will be secured from public access with appropriate barriers.
18. The successful contractor will be responsible for final designs and must verify sizes and measurements on site.
19. Contractor performing any work on site, including delivery and installation of displays and signs, shall be required to be properly insured with at least of \$1,000,000.00 of liability and workers compensation policies which meet requirements of the Alabama Department of Conservation and Natural Resources.

20. Training on maintenance, including development of a written maintenance manual, will be provided to AL Dept of Conservation and Natural Resources upon completion of installation.
21. Construction must be complete after six months after issuance of purchase order.
22. The cost shall include, if applicable, costs associated with image acquisition.
23. The vendor does not have to register with the State of Alabama prior to submitting a bid.

F. DCNR Furnished Materials

1. DCNR will assist with providing photography and general maps, where relevant.
2. The DCNR POC will secure all necessary approvals for all proofs, text, layout, and design and color schemes.

Pricing Sheet	Unit	Description	Unit Cost	Quantity	Total
1	Entrance Kiosk	4-panel kiosks with metal roof and aluminum frames and 4 1x2 ft. sandblasted headers		1	
2	Entrance Kiosk Panels (HPL or equivalent) topics include orientation panel, bird life, pier history, and marine life.	Orientation Panel (2x4 ft.) with duplicates		4 individual (8 total)	
3	Turtle Sculpture	Concrete for photo opportunity		1	
4	Turtle Sign and Acknowledgement Sign	Sandblasted sign to be place next to Turtles including Gulf State Park and MMS logo		1 individual	
5	Rail Mount Panels and Mounts (HPL or equivalent) on Observation Deck	12x30 in. panels with duplicates and frames		11 individual (22 total)	
6	Concession Area Observation Deck Angled Panels and Mounts (HPL or equivalent)	12x30 in. panels with duplicates and frames		3 individual (6 total)	
7	Water Quality/Watershed (HPL or equivalent)	3x4 ft. panels with duplicate and wall mounted frames one duplicate for replacement		2 individual (4 total)	
8	Sea Water Intake (HPL or equivalent)	3x4 ft. panel with wall mounted frame and duplicate for replacement		1 individual (2 total)	
9	Fish Cleaning Station Signs (HPL or equivalent)	2x4 ft panel with wall mounted frames and duplicate		2 individual (4 total)	
10	Rail Mount Interpretive Panels - HPL or equivalent	20x30 in panels, mounting system and duplicate for replacement		10 designs 20 individual (40 total)	
11	Trash and Recycling Signs (aluminum)	6x12 in. signs		50	
12	Terminus Kiosk	3-panel kiosk with metal roof and frames including 3 1x2 ft. sandblasted headers		1	
13	Panels for Terminus Kiosk (HPL or equivalent)	2x4 ft panel with wall mounted frames and duplicate		6 individual (12 total)	
14	Content Development	Includes text development, and design including travel for research and reconnaissance, presentation of preliminary and final designs (minimum of 3 on-site meetings)		Lump Sum	
15	Duplicate of Rail Mount Frame			5	
16	Duplicate of Angle Mount Frame			5	
17	Duplicate of 3x4 ft. Mount Frame			5	
18	Duplicate of 2x4 ft. Mount Frame			5	
19	Duplicate of 3x5 ft. Mount Frame			5	
20	Acrylic Sheets 12 x 30 in.			3	
21	Acrylic Sheets 3x4 ft			3	

22	Acrylic Sheets 3x5 ft			3	
23	Acrylic Sheets 2x4 ft			3	
24	Storage Crates for Rail Mount, Angle Mount, 3x4 ft., 12x30 in., 3x5 ft., and 2x4 ft.			1	
Total Base Bid					
25	Alternative 1 - Exhibit (including construction and installation) for one room (west), piling diorama and interactive consoles for west room only.			Lump Sum	
Total Alternative 1					
Total Alternative 1 + Base Bid					
26	Alternative 2 - Wall Mural for 2 rooms (Marine Life and Beach Depiction), piling diorama, and interactive consoles for both rooms.			Lump Sum	
Total Alternative 2					
Total Alternative 2 + Base Bid					