HURRICANE IDA UPDATE
#GrandIsleStrong
GRAND ISLE, LOUISIANA
Hurricane Ida Damages

Cheniere Caminada
Hurricane Ida Damages Cheniere Caminada

Aerial view looking towards Bayou Thunder
Hurricane Ida Damages Cheniere Caminada

Aerial view looking towards Bayou Thunder
Hurricane Ida Damages Cheniere Caminada

Aerial view looking towards the Gulf of Mexico
Hurricane Ida Damages Cheniere Caminada

Aerial view looking towards the east of Caminada Pass
Hurricane Ida Damages
Cheniere Caminada

Aerial view looking towards the east of Caminada Pass
Hurricane Ida Damages Cheniere Caminada

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Aerial view looking towards the east of Caminada Pass
Hurricane Ida Damages Cheniere Caminada

Aerial view looking towards the west of Caminada Pass
Hurricane Ida Damages Cheniere Caminada

Aerial view looking towards the Gulf of Mexico (Caminada Pass)
Hurricane Ida Damages
Cheniere Caminada

Aerial view looking towards the south.
Hurricane Ida Damages Cheniere Caminada

Before Hurricane Ida
Hurricane Ida Damages Cheniere Caminada

After Hurricane Ida
Approximately 40 acre lost
Hurricane Ida Damages

Western Section of Grand Isle
Hurricane Ida Damages
Western Section of Grand Isle

Aerial view looking towards the Gulf of Mexico (newly installed breakwaters)
Hurricane Ida Damages Western Section of Grand Isle

Aerial view looking towards the north of Caminada Bay
Hurricane Ida Damages
Western Section of Grand Isle

Aerial view looking towards the north of Caminada Bay
Hurricane Ida Damages
Western Section of Grand Isle

Aerial view looking towards the west of Grand Isle (LA-1).
Hurricane Ida Damages
Western Section of Grand Isle

Before Hurricane Ida
Hurricane Ida Damages
Western Section of Grand Isle

After Hurricane Ida
Approximately 60 acre lost
Hurricane Ida Damages

Central Section of Grand Isle
Hurricane Ida Damages
Central Section of Grand Isle

Aerial view looking towards the north of Bayou Rigaud
Hurricane Ida Damages
Central Section of Grand Isle

Aerial view looking towards the north of Bayou Rigaud
Hurricane Ida Damages
Central Section of Grand Isle

Aerial view looking towards the east of Grand Isle (LA-1)
Hurricane Ida Damages
Central Section of Grand Isle

Aerial view looking towards the west of Grand Isle
Hurricane Ida Damages

Eastern Section of Grand Isle
Hurricane Ida Damages
Eastern Section of Grand Isle

Aerial view looking towards the north of Bayou Rigaud near Elm Lane
Hurricane Ida Damages
Eastern Section of Grand Isle

Aerial view looking towards the west of Grand Isle (existing breakwaters)
Hurricane Ida Damages
Eastern Section of Grand Isle

Aerial view looking towards the north of Bayou Rigaud (Oak Lane)
Hurricane Ida Damages Eastern Section of Grand Isle

Aerial view looking towards the west (end of island at the State Park)
1. **Grand Isle Sand Dune Alignment (Gulf Side Levee)**
   
a. Breakwaters – Continue the breakwaters from the western end of Grand Isle to the existing eastern breakwaters.

   b. Beach Rehabilitation – Need status update on design, project start up, and project budget?

2. **Cheniere Caminada**
   
a. Short Term – Approximately 3,800 Linear Feet of bank line has eroded. Emergency Preventive Measures are needed along this section of vulnerable shoreline @ Cheniere Caminada.

   b. Long Term – Start design work on the breakwater protection to keep Caminada Pass from becoming wider and deeper. This area cannot take the strong wave action without a breakwater protection system.
Grand Isle Rehabilitation
“Building Better and Stronger”
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Grand Isle Rehabilitation
“Building Better and Stronger”

3. **Pump Station Improvements**

   a. Landry’s Hole Drainage Pump Station – “Shovel Ready”
      
      • Probable Construction Cost – $618,559.58

   b. Cypress Lane Drainage Pump Station – “Shovel Ready”
      
      • Probable Construction Cost – $630,702.97

   c. Orange Lane Drainage Pump Station – “Shovel Ready”
      
      • Probable Construction Cost – $1,442,861.00

   d. Chighizola Lane Drainage Pump Station – “Shovel Ready”
      
      • Probable Construction Cost – $1,412,907.00
4. **FiFi Island Breakwater and Restoration Project**

   a. Approximately 5,600 liner feet of new breakwaters to elevation +8.0’NAVD is needed to protect the bay side of the island.
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5. Cheniere-Caminada To Bayou Thunder Breakwater Protection Project

The main objection of this project is to provide additional protection to existing Louisiana Highway 1 and the marsh along Bayou Thunder and Cheniere Caminada Bay. The project consists 4,400 Linear Feet of armored shoreline protection and the dredging of Bayou Thunder @ an estimated cost of $10,035,938.00
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Grand Isle Rehabilitation
“Building Better and Stronger”

- Entergy’s Temporary Generation Plant – Consist of 4 (four) 2 megawatt generators to power up Grand Isle
Grand Isle Rehabilitation
“Building Better and Stronger”

• Entergy’s Temporary Substation – This substation supplies electrical power to Cheniere Caminada, and is located near Bridge Side Marina along the south side LA-1.
Grand Isle Rehabilitation
“Building Better and Stronger”

• Sand removal operations – These operations are being conducted 7 days a week. The sand is being sifted and placed back along the gulf side levee/dune. Approximately 68,000 CY has been sifted and moved to date.
“As long there is one grain of sand on Grand Isle, we are going to plant the American flag. We are not going anywhere..”