



**JOINT WORK SESSION**  
**Manatee County Board of County Commissioners**  
**and**  
**Town of Longboat Key Commissioners**

**Tuesday, February 14, 2012**  
**1:30 p.m.**

**Manatee County Government Administrative Center**  
**1112 Manatee Avenue West, Bradenton**  
**Manatee Room, 4<sup>th</sup> Floor**

Manatee County Commissioners

*Carol Whitmore, Chair, District 6 At-Large*  
*John R. Chappie, 1<sup>st</sup> Vice Chair, District 3*  
*Larry Bustle, 2<sup>nd</sup> Vice Chair, District 1*  
*Michael Gallen, 3<sup>rd</sup> Vice Chair, District 2*  
*Robin DiSabatino, District 4*  
*Donna G. Hayes, District 5*  
*Joe McClash, District 7 At-Large*

Town of Longboat Commissioners

*Jim Brown, Mayor, District 4*  
*Dave Brenner, Vice Mayor, District 3*  
*Lynn Larson, District 1*  
*Jack Duncan, District 2*  
*Patricia Zunz, District 5*  
*Hal Lenobel, At-Large*  
*Phill Younger, At-Large*

**A G E N D A**

Meeting Called To Order:

*John R. Chappie, Chairman*  
*Manatee County*

*Jim Brown, Mayor*  
*Town of Longboat Key*

1. Order of Presentations and Introduction  
of Speakers

*Charlie Hunsicker, Director*  
*Natural Resources Department*

2. Schedule for Maintenance Dredging of the  
Gulf Intracoastal Waterway

*Milan Moran, PE*  
*Army Corps of Engineers*

3. Presentation of the Inlet Management Study

*Tom Pierro, PE*  
*Coastal Planning & Engineering, Inc.*

4. Discussion of Work Session Objectives (*ATTACHED*)

*Charlie Hunsicker, Director*  
*Juan Florensa, Public Work Director*  
*Town of Longboat Key*

5. Questions, Comments, and Conclusions

6. Commissioner Comments

7. Adjourn

Work session objectives include:

1. Endorse the conceptual plans describing structures and periodic maintenance of Longboat Pass to optimize shoreline protection, navigation, and beneficial use of dredged sand for beach renourishment. Direct staff to proceed with final design and permitting of the Inlet study recommendations.
2. Seek matching cost share agreements with FDEP and WCIND regional project funds for construction of the proposed structures.
3. Encourage continued federal participation in the maintenance of Longboat Pass, supplementing Congressional appropriations, if necessary, with WCIND regional funds.
4. Work with WCIND to characterize the joint Town/County study as an integral part overall Inlet Management Plan for Longboat Pass and seek FDEP cost sharing.

# LONGBOAT PASS MANAGEMENT PLAN

February 9, 2012

The Longboat Pass Management Plan has been prepared by Coastal Planning & Engineering (CPE) under contract to the Town of Longboat Key and Manatee County for a total study cost of approximately \$300,000. This study cost is split 50/50 between the two governments. The Manatee County funding source is the dedicated beach renourishment one cent of the five cent TDC bed tax. Both governments can apply to FDEP for reimbursement of their respective costs under existing legislative authorization.

A modeling study of Longboat Pass has also been completed by the firm of Humiston and Moore Engineers, contracted through WCIND, which is receiving reimbursement from FDEP under the same legislative authorization. Both the Town and the County note that the WCIND study did not constitute a complete inlet management plan and have sought to complete all facets of a complete inlet management plan with the CPE contract. The CPE study employs a rigorous predicted model of pass hydrodynamics, allowing for testing of various erosion control jetties and groins and channel maintenance alignments to optimize navigation needs with protection for Coquina Beach and the northern portion of Longboat Key/Greer Island

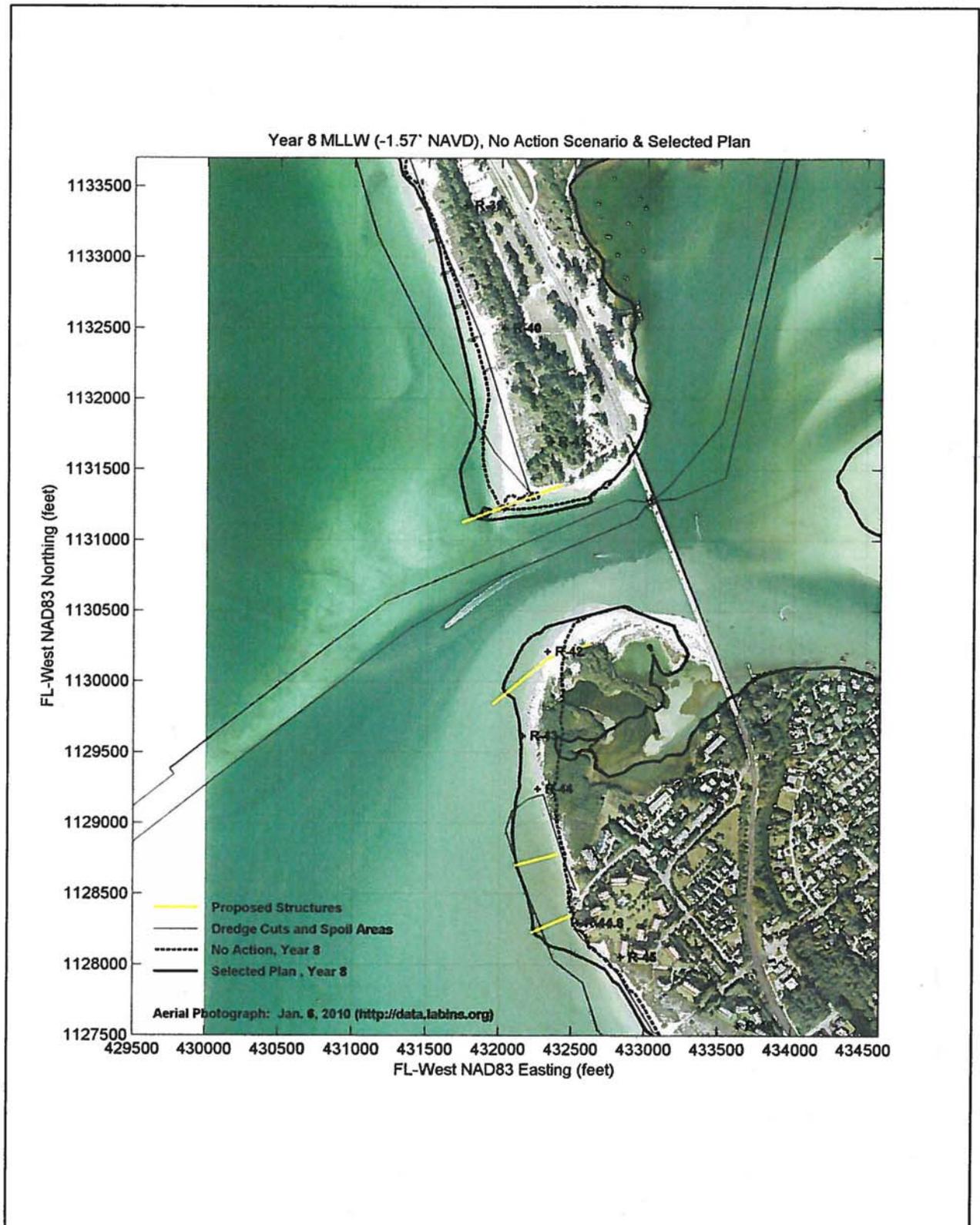
The CPE recommended plan shown in the attachment utilizes four recommendations:

1. Protection of erosion on Coquina Beach in the immediate vicinity of the pass through the reconstruction and extension of the existing jetty at Coquina Beach (approximately \$4,250,000).
2. Construction of a new jetty on the north side of Longboat Key to mimic the shoreline protection functions of the opposing Coquina Beach groin (approximately \$4,250,000).
3. Construction of two shore perpendicular, semi-permeable adjustable groins on the northern end of Longboat Key to stabilize shorelines around existing residential condominiums (approximately \$1,500,000).
4. Periodic maintenance dredging of Longboat Pass at four to six year intervals to maintain the navigational channel within its authorized federal alignment, preventing the tendency of the channel to drift to the south with increasing erosional threat to Longboat Key. Beach compatible sand removed with periodic maintenance dredging will be placed on adjacent Coquina Beach and Longboat Key shorelines at considerable cost saving if sands were to be obtained elsewhere offshore (approximately \$500,000 with each maintenance event creating 100,000 cubic yards of beach compatible sand).

A joint work session between the Board of County Commissioners and the Town of Longboat Key has been scheduled for Tuesday, February 14, at 1:30 p.m., in the Manatee Room, 4<sup>th</sup> floor, Manatee County Administration building.

Work session objectives include:

1. Endorse the conceptual plans describing structures and periodic maintenance of Longboat Pass to optimize shoreline protection, navigation, and beneficial use of dredged sand for beach renourishment. Direct staff to proceed with final design and permitting of the Inlet study recommendations.
2. Seek matching cost share agreements with FDEP and WCIND regional project funds for construction of the proposed structures.
3. Encourage continued federal participation in the maintenance of Longboat Pass , supplementing Congressional appropriations, if necessary, with WCIND regional funds.
4. Work with WCIND to characterize the joint Town/County study as an integral part overall Inlet Management Plan for Longboat Pass and seek FDEP cost sharing.



**FIGURE 4-22: Model Results of the Combined Alternative (2, 5S, 6D, and 7).**