

**Lee County Board Of County Commissioners
Agenda Item Summary**


Blue Sheet No. 20060266

1. ACTION REQUESTED/PURPOSE: Approve and execute a resolution to the State of Florida Trustees of the Internal Improvement Trust Fund (TIITF) requesting the establishment of an erosion control line (ECL) on the southernmost approximately three tenths of a mile on North Captiva Island in anticipation of a privately funded beach renourishment project.

2. WHAT ACTION ACCOMPLISHES: Initiates the TIITF process to adopt a line establishing a permanent property boundary between uplands and state sovereign submerged lands.

3. MANAGEMENT RECOMMENDATION: Staff recommends approval.

4. Departmental Category: 08 - **C 8 B** **5. Meeting Date:** **03-21-2006**

6. Agenda: <input checked="" type="checkbox"/> Consent <input type="checkbox"/> Administrative <input type="checkbox"/> Appeals <input type="checkbox"/> Public <input type="checkbox"/> Walk-On	7. Requirement/Purpose: (specify)		8. Request Initiated: Commissioner _____ Department <u>Public Works</u> Division <u>Natural Resources</u> By: <u>Roland E. Ottolini, P.E.</u> 
	<input checked="" type="checkbox"/> Statute	<u>161.161</u>	
	<input type="checkbox"/> Ordinance	_____	
	<input type="checkbox"/> Admin. Code	_____	
	<input type="checkbox"/> Other	_____	

9. Background:

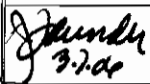
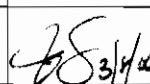
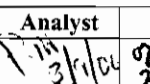
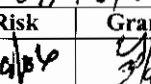
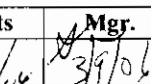
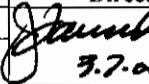

The southern end of North Captiva Island has experienced rapid erosion for years. The erosion rates have increased since Hurricane Charley breached the southern portion of the island, and now some of the existing houses are threatened. The property owners within the South Banks Subdivision are pursuing a privately funded beach renourishment project. Prior to issuing a permit for beach renourishment, the state requires establishment of an ECL in accordance with 161.161(3) – 161.161(5) Florida Statutes. The ECL process involves notice to all affected property owners as well as a state-lead public hearing. A resolution from the local government is required to initiate the ECL process. If the ECL is adopted, the property line, which normally moves with erosion, will be permanently fixed.

On February 27, 2006, this issue was presented to the Coastal Advisory Council (CAC). The CAC unanimously recommended that the BOCC approve the resolution.

There is no cost to the County.

Attachments: Request letter, Resolution, photographs

10. Review for Scheduling:

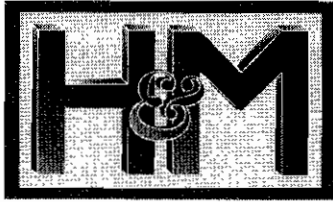
Department Director	Purchasing or Contracts	Human Resources	Other	County Attorney	Budget Services				County Manager/P.W. Director
					Analyst	Risk	Grants	Mgr.	
	NA	NA	NA						

11. Commission Action:

- Approved**
- Deferred**
- Denied**
- Other**

RECEIVED BY
COUNTY ADMIN:
3 8 6
3 2 2
COUNTY ADMIN
FORWARDED TO:
3/9/06
415

Rec. by CoAtty
Date: 3/8/06
Time: 12:53 PM
Forwarded To:
Co. Mgr.
3/8/06



**HUMISTON
& MOORE
ENGINEERS**

COASTAL
ENGINEERING DESIGN
AND PERMITTING

5679 STRAND COURT
NAPLES, FL 34110
PHONE: 239-594-2021
FAX: 239-594-2025
www.humistonandmoore.com

November 18, 2005

Mr. Steve Boutelle
Lee County Natural Resources Division
1500 Monroe Street, 3rd Floor
Fort Myers, FL 33901

**Re: North Captiva Island Erosion Control Project, Erosion Control Line
Resolution, H&M File No. 13085**

Dear Steve:

Attached is a draft resolution in support of establishing an Erosion Control Line along the shoreline of the South Banks subdivision on the south end of North Captiva Island as we discussed during our meeting on November 15, 2005. On behalf of the property owners we request that this be placed on the Agenda for action by the board.

Sincerely yours,

HUMISTON & MOORE ENGINEERS

Ken Humiston

Kenneth K. Humiston, P.E.

Attachment

A RESOLUTION OF THE BOARD OF COUNTY COMMISSIONERS OF LEE COUNTY, FLORIDA, REQUESTING THAT THE TRUSTEES OF THE INTERNAL IMPROVEMENT TRUST FUND ESTABLISH AN EROSION CONTROL LINE OF THE SHORELINE (FOR APPROXIMATELY 0.3 MILES) ON THE GULF OF MEXICO SHORELINE OF NORTH CAPTIVA, FLORIDA; SETTING FORTH FINDINGS; AND PROVIDING FOR AN EFFECTIVE DATE.

WHEREAS, the Gulf shoreline on portions of North Captiva Island in Lee County continues to erode, resulting in minimal beach width; and

WHEREAS, a large beach profile provides the best protection for upland properties for a severe storm event; and

WHEREAS, the Board of County Commissioners of Lee County, Florida, has developed an Erosion Control Program to help mitigate the erosive impacts and provide for beach preservation and beach nourishment along the beaches of Lee County; and

WHEREAS, Property owners within the South Banks subdivision, propose to nourish approximately 0.3 miles of shoreline with sand from an off-shore borrow source; and

WHEREAS, it is necessary to delineate the boundary between upland properties and State-owned submerged lands before undertaking such a sand transfer project.

NOW, THEREFORE, BE IT RESOLVED by the Board of County Commissioners of Lee County, Florida, that:

1. The Board requests that the Trustees of the Internal Improvement Trust Fund establish an Erosion Control Line along the shoreline of North Captiva Island (for approximately 0.3 miles) with a point of beginning at approximately Department of Environmental Protection (DEP) Monument R-81 and ending at approximately DEP Monument R-82
2. This Resolution shall take effect immediately upon its adoption.

ADOPTED with a quorum present and voting this the ____ day of _____, 2006.

ATTEST: _____
CLERK OF THE CIRCUIT COURT

BOARD OF COUNTY COMMISSIONERS
LEE COUNTY, FLORIDA

By: _____

By: _____

APPROVED AS TO LEGAL
FORM AND SUFFICIENCY

By: _____
ASSISTANT COUNTY ATTORNEY

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LEE COUNTY, FLORIDA**

By: _____

By: _____

**APPROVED AS TO LEGAL
FORM AND SUFFICIENCY**

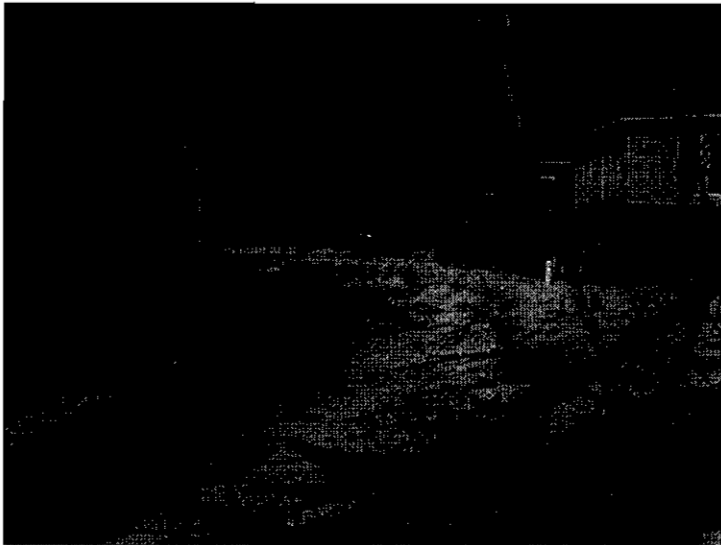
By: _____
ASSISTANT COUNTY ATTORNEY



Aerial overview looking north from Redfish Pass beyond the project area to "Charley's Cut".



Detail of "Charley's Cut" looking to the south. The sand washing into Pine Island Sound is lost from the beach system and contributing to rapid erosion to the south.



Ground level photographs of the project site taken on February 18, 2006. The fallen trees, exposed stumps, and vertical escarpments in the beach face are all indications of rapid erosion. The bottom photograph clearly illustrates the proximity of the erosion to the existing structures.

