
PUBLIC HEARING
Feasibility And Advisability Of The Use Of A Terminal Groin As An Erosion Control Device
MOFFATT & NICHOL
DIAL CORDY AND ASSOCIATES INC
Environmental Consultants

House Bill 709

Two Sections:

"An Act To Impose A Moratorium On Certain Actions Of The Coastal Resources Commission Related To Temporary Erosion Control Structures And To Direct The Coastal Resources Commission To Study The Feasibility And Advisability Of The Use Of A Terminal Groin As An Erosion Control Device."

Items Identified In House Bill 709

Shall consider:

(1) Scientific data regarding the effectiveness of terminal groins constructed in North Carolina and other states in controlling erosion. Such data will include consideration of the effect of terminal groins on adjacent areas of the coastline.

(2) Scientific data regarding the impact of terminal groins on the environment and natural wildlife habitats.

(3) Information regarding the engineering techniques used to construct terminal groins, including technological advances and techniques that minimize the impact on adjacent shorelines.

Items Identified In House Bill 709

Shall consider:

(4) Information regarding the current and projected economic impact to the State, local governments, and the private sector from erosion caused by shifting inlets, including loss of property, public infrastructure, and tax base.

(5) Information regarding the public and private monetary costs of the construction and maintenance of terminal groins.

(6) Whether the potential use of terminal groins should be limited to navigable, dredged inlet channels.

Items Identified In House Bill 709

Public Input

- In conducting the study, the Commission shall hold at least **three public hearings** where interested parties and members of the general public will have the opportunity to present views and written material regarding the feasibility and advisability of the use of a terminal groin as an erosion control device at the end of a littoral cell or the side of an inlet to limit or control sediment passage into the inlet channel.

Report

- No later than **April 1, 2010**, the Commission shall report its findings and recommendations to the Environmental Review Commission and the General Assembly.

Project Team Members

Project Team Members

- Moffatt & Nichol – Coastal Engineering
- Dial Cordy and Associates, Inc. - Environmental
- Dr. Duncan FitzGerald (Boston University) – Coastal Geology
- Dr. Chris Dumas (UNCW) – Economics

Overall Project Work Plan

Task 1 – Coastal Engineering Analyses of Effectiveness and Impacts of Terminal Groins

Task 2 – Environmental Resource Analyses of Potential Effects of Terminal Groins

Task 3 – Construction Techniques to Limit Impacts

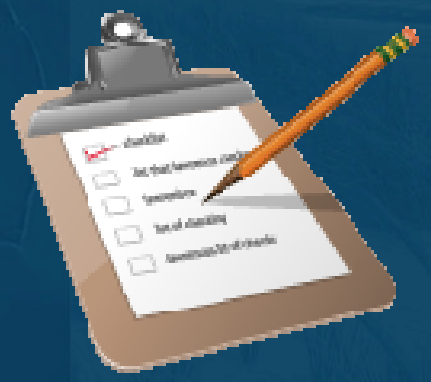
Task 4 – Economic Study of Impacts of Shifting Inlets

Task 5 – Initial Construction and Maintenance Costs

Task 6 – Potential Locations Study

Task 7 – Public Input

Task 8 – Draft and Final Report



Roles of CRC/CRAC, Science Panel

CRC/CRAC

- Provide Guidance to M&N During the Study
- Will Be Responsible for Developing the Policy Conclusions and Recommendations to Be Supplied to the ERC and Ultimately the General Assembly

Science Panel

- Science Panel was involved in the Project Scoping, Approval of Study Methodologies, and in an Advisory Capacity Providing Comments of the Report
- Five Scheduled Meetings
  (Sept. 29, Dec. 1, Jan. 19, Feb. 8, and Mar. 12)

Selected Sites Based on September 29th Science Panel Meeting

North Carolina
- Oregon Inlet
- Fort Macon

Florida
- Amelia Island
- Captiva Island
- John's Pass

Project Work Plan

Public Input

- Five Public Meetings
  - Sheraton Atlantic Beach – October 29th, 2009
  - Kill Devil Hills Town Hall – December 16th, 2009
  - Hilton Raleigh North – January 13th, 2010
  - NH County Complex – February 17th, 2010
  - Sea Trail Plantation - March 24th, 2010
- State Web Site
  - http://www.nccoastalmanagement.net
  - Under What's New Section
- Email – jim.gregson@ncdenr.gov

Project Work Plan

Task 8 – Draft and Final Report

- Working Draft Report - February 1, 2010
- Final Report (Contractor Study) - March 1, 2010

Next Steps

- CRC Report to ERC – April 1, 2010