



Flagler County Board of County Commissioners Workshop

City of Flagler Beach Commissioners Joint Workshop for Item 4

Monday, August 7, 2017 at 1:00 p.m.

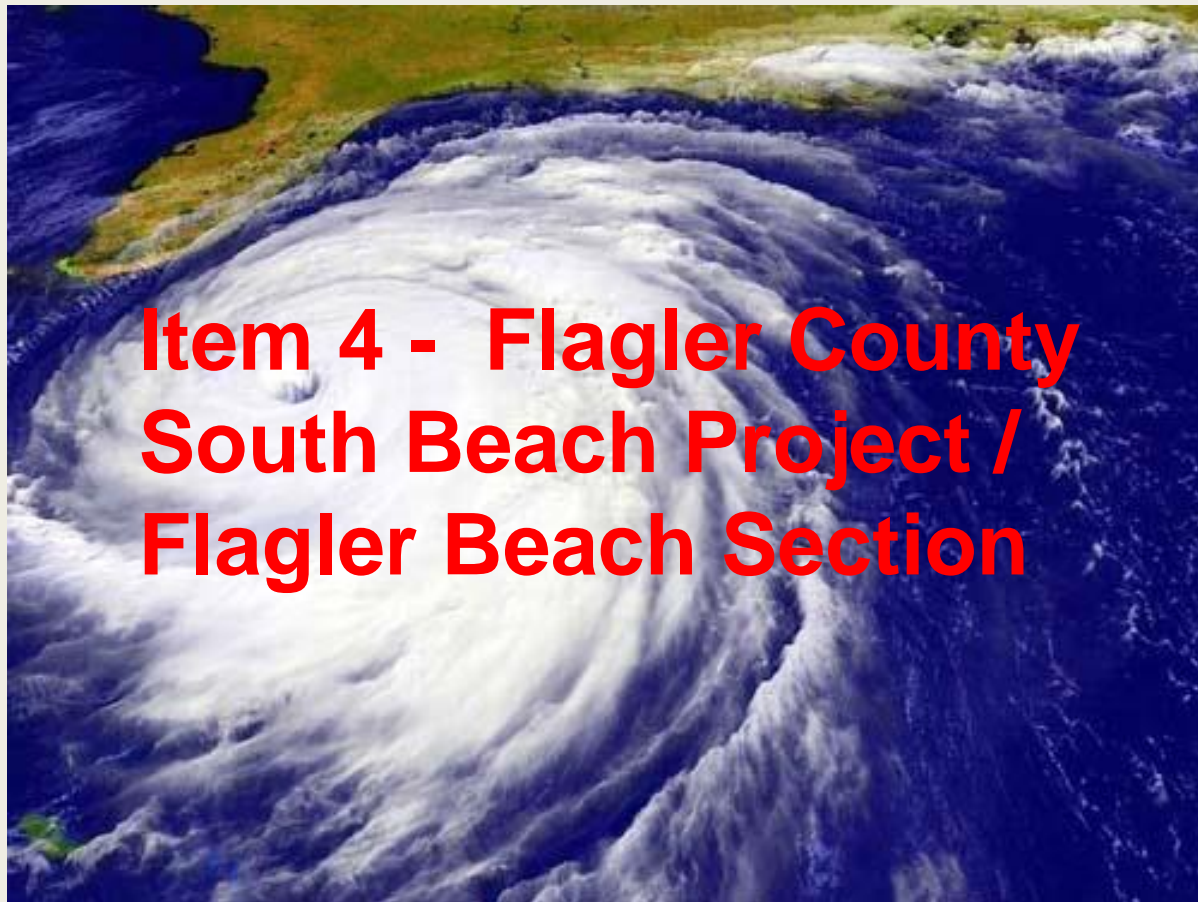
Emergency Operations Center, Building 3, 1769 E. Moody Blvd., Bunnell, FL 32110

Regular and Joint Workshop Agenda

1. Call to Order
2. Pledge to the Flag and Moment of Silence
3. Welcome: Flagler County Board Chair
- 4. Call to Order City of Flagler Beach Commission**
- 4. Flagler Beach to South County Line Area - Joint Workshop with City of Flagler Beach**
Joint Recovery Effort Discussion (Protective Berms/Dunes; Beach Restoration)
- Adjourn Flagler Beach Commissioners**
- 5. Beverly Beach to Marineland Area – Protective Berms/Dunes; Beach Restoration**
- ~~6. Bailey Group Optional Services Discussion~~
- ~~7. Petition to the City of Palm Coast for Contraction (De-annexation) Interlocal Agreement for Airport Property on Seminole Woods Boulevard~~
8. Public Comment
9. Adjournment

While this is a workshop only and no decisions are expected to be made by any of the governmental bodies, if a person decides to appeal any matter that may be discussed for a future proceeding, a record of the workshop may be needed and, for such purposes, the person may need to ensure that a verbatim record of the workshop is made.

Hurricane Matthew Beach Recovery



**Item 4 - Flagler County
South Beach Project /
Flagler Beach Section**

FLAGLER BEACH/A1A Directly on Ocean

South County Line to Beverly Beach (approx. 6.25 mi.)



© 2016 Michael L. Lee

8/7/2017

Flagler Beach FEMA Project Emergency Protective Berms

- Emergency Protective Berms 6CY
- FEMA PW not written yet
- Requires FEMA Approval 3-6 mo.
- Requires Interlocal Agreement
- If Approved, Const. early 2018
- Upland Sand Sources
- Estimated cost \$5.46 Million
- Match Estimate \$1.365 at 25%

Flagler Beach FEMA Project Emergency Protective Berms Issues

- Timing 18 months Limit
 - Timing FDOT Projects Nov 2018
 - Breaks in City Property
 - Dune Crossover Permits
 - Longevity of Emergency Berms
 - Match State/County @ 25%
- \$1.365 Million+/-

Flagler Beach Army Corps Project

- Not in current federal budget for Design or Construction
- Only 2.6 Miles of 6.25 Miles
- Timing of any project uncertain
- Federal Protections Replenishment/
Turtle Permitting
- Potential Changes in Federal FEMA Rules
- Recommend Alternate Project

Flagler Beach Alternate Project Overview

- Olsen Engineering Consultants
- Based on 6.25 Miles
- Post FDOT Road A1A Projects
- Offshore Sand Sourcing/Dredging
- Estimate \$20+ Million

Flagler Beach Alternative Project Issues/Challenges

- Timing FDOT
- Property Easements
- Sea Turtles Issues
- Dune Crossovers
- Some Funding
- Design Permitting

Flagler Beach Alternate Project Estimated Time Schedule

- Design Phase 15-24 Months
 - Offshore Sand Permitting
 - State and Federal Permits
- FDOT Construction Nov 2018
- Estimated Construction 2019
timing with FDOT Construction
- Plan Right Behind FDOT Const.

Flagler Beach Alternative Project General Funding Plan

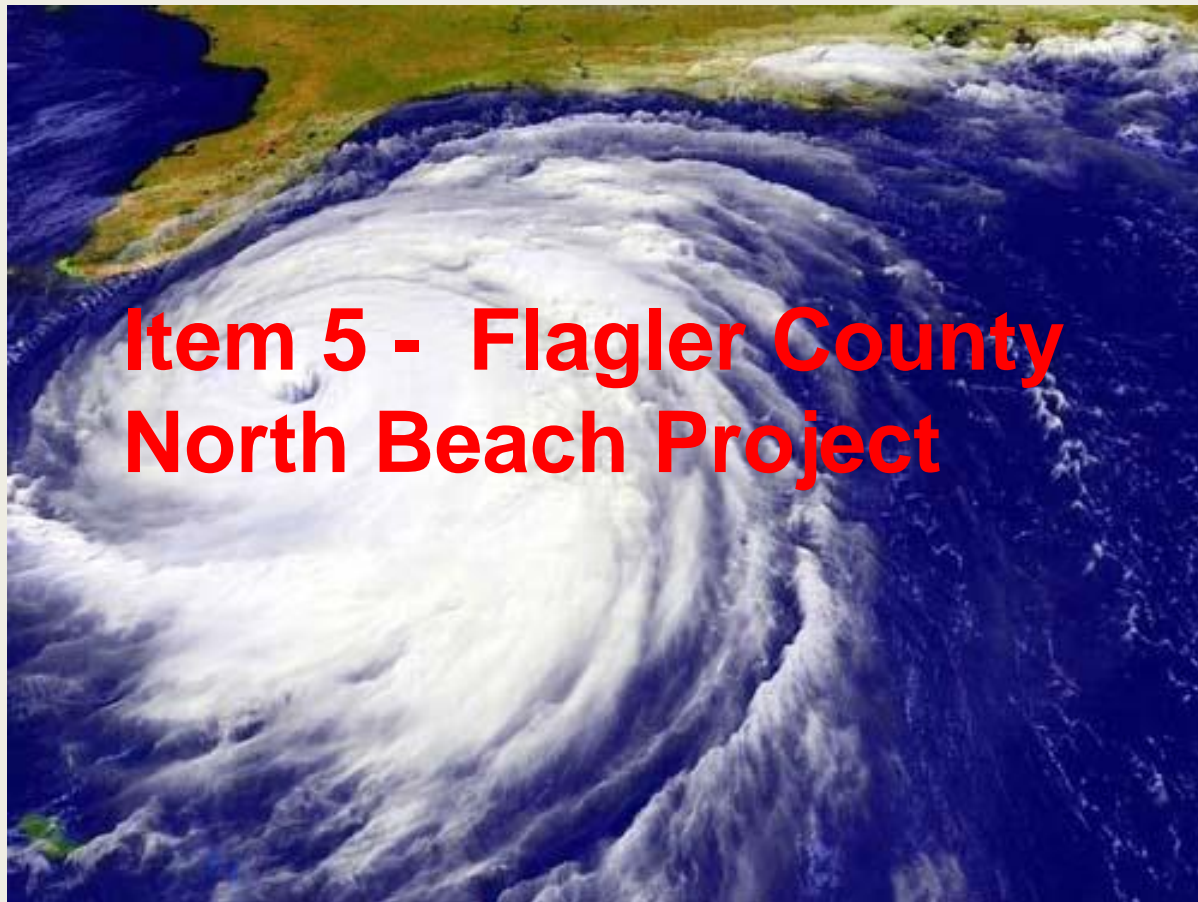
- \$4.85 Million FDOT Available
- \$12 Million FDOT Construction**
- \$1 Million State FDEP*
- \$1 Million County TDC
- \$1.35 Million State FDEP Parks*

Total = \$20+ Million

* Not Secured at this time

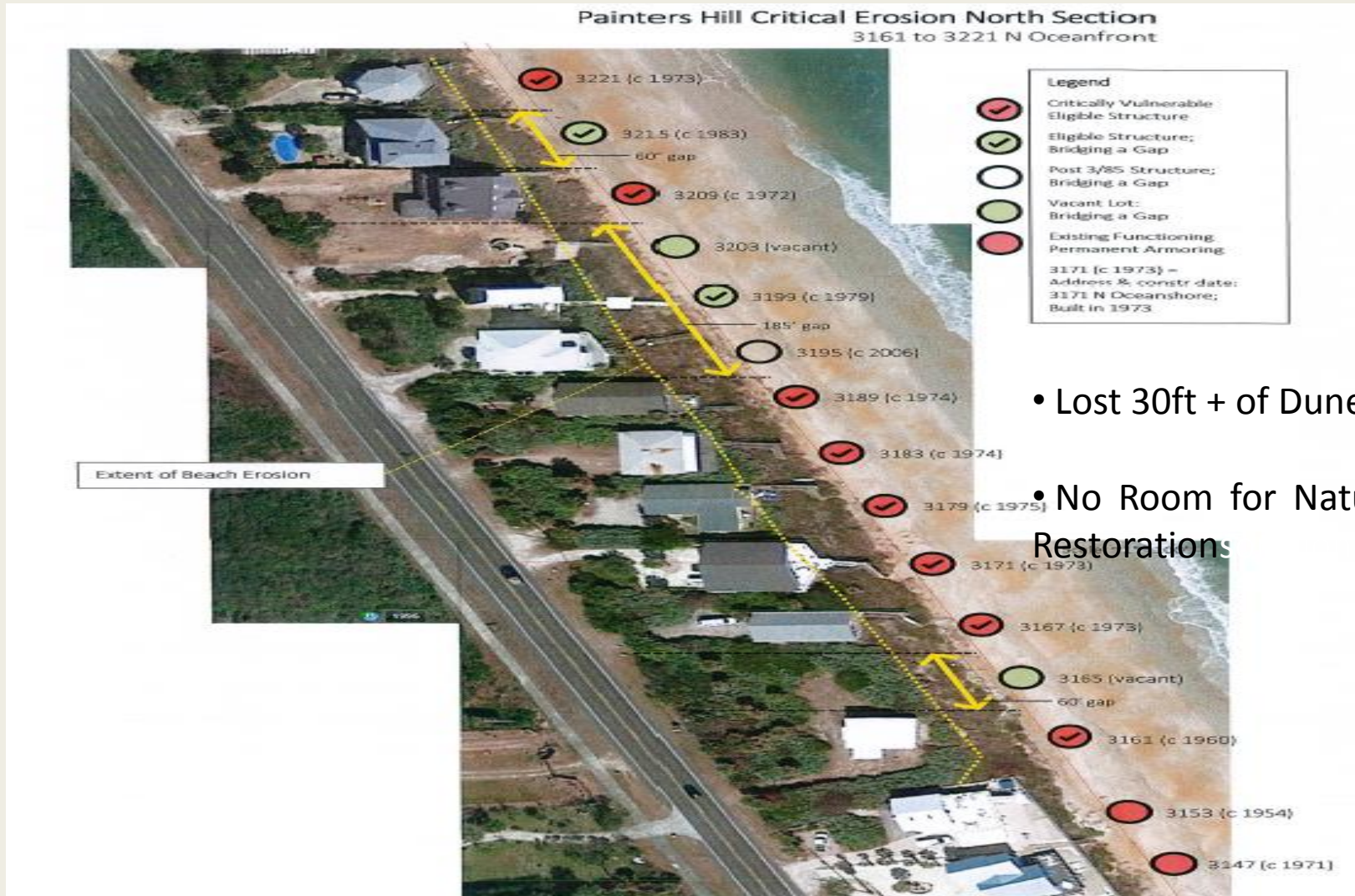
** More Funding may be necessary

Hurricane Matthew Beach Recovery



BEVERLY BEACH TO NORTH COUNTY LINE

Threatened Homes and Property between A1A and Ocean



- Lost 30ft + of Dune
- No Room for Natural Restorations

BEVERLY BEACH TO VARN PARK

Threatened Homes and Property between A1A and Ocean (approx. 2.0 mi.)



Mid County Widespread Ocean Flooding 600+ homes threatened in one area



8/7/2017

EMERGENCY RESCUE IN NEIGHBORHOODS



Washington Oaks State Park



Sheet Flow Ocean to Intracoastal



Flagler County Project North

- Taylor Engineering Consultants
- Based on Approximately 12 Miles
- Onshore Sand Sourcing
- Estimate \$19-22+ Million
- 8-10 Cubic Yards

Flagler County Project North Issues/Challenges

- FDEP Permit – Sand /Easements
- FEMA Approval/Funding - Public Projects
- Property Easements – Normal
- Assessment Agreements - Groups
- Army Corps Permit - Sea Turtles
- Legislative Funding - Phase II

The slide features two large, thick black L-shaped brackets. One is positioned in the top-left corner, and the other is in the bottom-right corner, framing the central text.

PROPERTY EASEMENTS

Flagler County North Project General Funding Plan

- \$5.3 Million Governor's Funds
Include \$1.35 FDEP State Park
- \$7.25 Million Flagler County
- \$5.5 Million State FDEP*
- \$2.2 Million Private*
- \$2.585 FEMA* **

Total = \$19-22+ Million

* Not Finalized at this time

** Local Match Included Above

Flagler County Project North Estimated Time Schedule 2017

- August - Design Modifications/Permits
- August – Final Agreements
- September- Rebidding
- October – Contracting/Sand Approval
- October – Notice to Proceed & Mobilization
- November – Construction
- Construction Estimated - 40weeks

Questions!!!

