Pinellas County
Shore Protection Project

March 30, 2017
Sand Key Project Information Meeting
Meeting Outline

• Project Overview
• Where Are The Easements Located?
• Why Nourish the Beach?
• Key Easement Provisions
• Moving Forward
PROJECT OVERVIEW
Federally Authorized Projects

Sand Key (9 mi)
Treasure Is. (1.5 mi)
Long Key (1.4 mi)

Funding:
- 60% Federal
- 20% State
- 20% County
Sand Key Project History

- **Initial Nourishment**
  - 2.45 MCY
- **1st Renourishment**
  - 1999
  - 2.6 MCY
- **2nd Renourishment**
  - 2006
  - 1.7 MCY
- **3rd Renourishment**
  - 2012
  - 1.25 MCY
Pinellas County Shore Protection Project

- Hurricane Hermine- Approval of funding, acceleration of schedule (Flood Control and Coastal Emergencies Act)
  - Nearly 900,000 cubic yards of sand needed to rebuild Sand Key Segment; of which 100% federal expense is 350,000cy
  - 70,000 cy for Sunshine Beach (cost shared)
  - 150,000 cy for Upham Beach (cost shared)
Public Use and Access

- 1986 Water Resources Development Act Section 103 (d) prohibits Federal participation in costs assigned to benefits to privately-owned shores where the use of such shores is limited to private interests.

- In 1996 the Corps developed a standard template for perpetual public access easements to be applied for all shore protection projects.
Perpetual Easement

- Prior to initial construction of the shore protection project, much of Sand Key was eroded back to the seawall
- Easements never obtained
- Easement needed over portion of beach lying on private property
- Timeframe and schedule
SOUTHERN PROJECT's NORTHERN BOUNDARY

R-71A

SOUTHERN PROJECT's NORTHERN BOUNDARY

R-71A

NOTES:

1. PLEASE REFER TO PLATE 03 FOR GENERAL NOTES AND LEGEND.

2. THE PROJECT'S BERM WIDTH IS 125' FROM THE CONSTRUCTION BASELINE WITH A FORESHORE SLOPE OF 1 ON 20 TO MATCH EXISTING GRADE.

MATCHLINE PLATE -07

GRAPHIC SCALE

500' 0 500' 1000'

BEACH EROSION CONTROL PROJECT
PINELLAS COUNTY, FLORIDA

SAND KEY SEGMENT
PLAN VIEW FILL AREA
(R-68 TO R-75)

US Army Corps of Engineers
Jacksonville District
Jacksonville, Florida

NOT FOR CONSTRUCTION PERMIT DRAWINGS

DEPARTMENT OF THE ARMY

DATE APPROVED REVISION DATE
2/18/11 L.R.P. 001 DEC. 2016
3/18/17 J.E.B. -009-JN
W.I.H.

PLATE 06 OF 33
NOTES
1. REFER TO PLATE 03 FOR GENERAL NOTES AND LEGEND.
2. FILL BEGIN AT MHW LINE (0.61') SLOPE UPWARDS TO ELEV. 4.8" NAVD88 ON 10ft SLOPE
3. FILL TOLERANCE IN MHW PLACEMENT AREA IS 0.5' BELOW 4.8" NAVD88.
Overview of Easements

- USACE Requirement
- Perpetual
- Allows for Construction of the Project
- Allows for Public Access
- ~120 for this project
  - Indian Rocks beach - ~24
  - Indian Shores - ~48
  - Redington Shores - ~32
  - North Redington Beach - ~16
WHERE ARE THE EASEMENTS LOCATED?
Example Cross Section of Easement

Easement Area  State Land

Sea Wall  ECL  Berm Elev.

Mean High Water
Easement Status

Status
- Red: Easement Requested
- Blue: Have
- Green: Not Needed for the Nourishment

PHOTOGRAPHY DATE: 01/2016
Pinellas County Shore Protection Project

Easement Status

Status:
- Easement Requested
- Have
- Not Needed for the Nourishment

PHOTOGRAPHY DATE: 01/2016

1 Easement
7 Easements
2 Easements
38 Easements

Photography Scale: 0 to 580 ft
WHY NOURISH THE BEACH?
Why Nourish the beach?

- **Storm Protection**
  - A wide beach berm and dune system has been shown to reduce damage to infrastructure during storms

- **Recreation/Tourism**
  - Tourists that come to Pinellas County to visit our beaches spend $2.3 Billion per year

- **Environment**
  - Provides important habitat for Sea Turtles and Shorebirds
R63 Howard Drive Belleair Beach  1985

Photo courtesy of Florida Department of Environmental Protection
http://prodenv.dep.state.fl.us/DwrmCoasts/search
R64 Morgan Drive Belleair Beach

2017
R64 Morgan Drive Belleair Beach

1985

Photo courtesy of Florida Department of Environmental Protection
http://prodenv.dep.state.fl.us/DwrnCoasts/search
R76 15th Avenue Indian Rocks Beach 1985

Photo courtesy of Florida Department of Environmental Protection
http://prodenv.dep.state.fl.us/DwrmCoasts/search
R84 Central Avenue Indian Rocks Beach

Photo courtesy of Florida Department of Environmental Protection
http://prodenv.dep.state.fl.us/DwrmCoasts/search
R85 Whitehurst Avenue Indian Rocks Beach 1985

Photo courtesy of Florida Department of Environmental Protection
http://prodenv.dep.state.fl.us/DwrnCoasts/search
R91 197th Avenue Indian Shores 2017
R92 196th Avenue Indian Shores 1985

Photo courtesy of Florida Department of Environmental Protection
http://prodev.dep.state.fl.us/DwrnCoasts/search
R95 193rd Avenue Indian Shores 1985

Photo courtesy of Florida Department of Environmental Protection
http://prodenv.dep.state.fl.us/DwrmCoasts/search
R99 183rd Avenue Redington Shores

Photo courtesy of Florida Department of Environmental Protection
http://prodenv.dep.state.fl.us/DwrmCoasts/search
R102 Coral Avenue Redington Shores 1985

Photo courtesy of Florida Department of Environmental Protection
http://prodenv.dep.state.fl.us/DwrmCoasts/search
R102 Coral Avenue Redington Shores

1985

Photo courtesy of Florida Department of Environmental Protection
http://prodenv.dep.state.fl.us/DwrmCoasts/search
R105 173rd Avenue North Redington Beach 1985

Photo courtesy of Florida Department of Environmental Protection
http://prodev.dep.state.fl.us/DwrmCoasts/search
R105 173rd Avenue North Redington Beach

2017
Key Easement Provisions

1) Provides for Perpetual Public Access
   - Required for Federal Funding per Water Resources Development Act of 1986
2) Allows entry on your property to construct beach nourishment projects
3) Ensures owner can build walkovers if needed and desired
Moving Forward

• Next year we will begin getting the remainder of the easements
  – Total ~464
  – For this project ~120
  – Future ~344
Questions?

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