Pinellas County
Shore Protection Project

May 03, 2017
Sand Key Project Information Meeting
Meeting Outline

- Project Overview
- Why Nourish the Beach?
- Where Are The Easements Located?
- 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
WHY NOURISH THE BEACH?
Storm Protection

- Reduce Storm damage
  - Condos
  - Roads
  - Other upland infrastructure

Morgan Dr. Belleair Beach

Photo courtesy of Florida Department of Environmental Protection
http://prodenv.dep.state.fl.us/DwrnCoasts/search
Storm Protection

- Reduce Storm damage
  - Condos
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Storm Protection

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15th Ave Indian Rocks Beach

Photo courtesy of Florida Department of Environmental Protection
http://prodenv.dep.state.fl.us/DwrnCoasts/search
Storm Protection

• Reduce Storm damage
  – Condos
  – Roads
  – Other upland infrastructure

15th Ave Indian Rocks Beach

2017
Environmental Benefits

• Nesting
  - Sea Turtles
  - Shorebirds
• Foraging
  - Piping Plover
  - Red Knot

Whitehurst Ave Indian Rocks Beach

1985

Photo courtesy of Florida Department of Environmental Protection
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Coral Ave Redington Shores

Photo courtesy of Florida Department of Environmental Protection
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• Foraging
  - Piping Plover
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Coral Ave Redington Shores

2017
Beach Related Tourism (2015)

- Spent $2.3 B/yr in Pinellas
- Supported 47,000 jobs/yr
- Contributed $145 M/yr in State/local taxes

Whitehurst Ave Indian Rocks Beach

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173rd Avenue North Redington Beach

Photo courtesy of Florida Department of Environmental Protection
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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
Overview of Easements

- USACE Requirement
- Perpetual
- Allows for Construction of the Project
- Allows for Public Access
- Deadline = May 22, 2017
- ~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

Distance (ft)
27 Easements

PINELLAS COUNTY
SHORE PROTECTION PROJECT

Easement Status

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

PHOTOGRAPHY
DATE: 01/2016

21 Easements

3 Easements
Pinellas County

SHORE PROTECTION PROJECT

Easement Status

- Easement Requested
- Have
- Not Needed for the Nourishment

PHOTOGRAPHY DATE: 01/2016

0 290 580

38 Easements

1 Easement

7 Easements

2 Easements

Easements:

- SK-344
- SK-345
- SK-347
- SK-348
- SK-356
- SK-353
- SK-354
- SK-355
- SK-359
- SK-360
- SK-361
- SK-362
- SK-363
- SK-364
- SK-365
- SK-367
- SK-369
- SK-370
- SK-371
- SK-372
- SK-376
- SK-379
- SK-381
- SK-216
- SK-217
- SK-218
- SK-219
- SK-220
- SK-221
- SK-224
- SK-225
- SK-226
- SK-243
- SK-245
- SK-246
- SK-248
- 200TH AVE

0, 290, 580 FT
### Pinellas County Shore Protection Project

**Easement Status**

<table>
<thead>
<tr>
<th>Status</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Easement Requested</td>
<td>- Easement requested for the nourishment project.</td>
</tr>
<tr>
<td>Have</td>
<td>- Easements already in place.</td>
</tr>
<tr>
<td>Not Needed for Nourishment</td>
<td>- Easements not needed for the nourishment project.</td>
</tr>
</tbody>
</table>

**Photography Date:** 01/2016

**Easements:**
- **24 Easements**
- **8 Easement**

**Map Details:**
- **174th Ave:**
- **176th Terr W:**
- **8th St:**
- **7th St:**
- **Sunset Bend:**
- **Clearwater Blvd:**
- **N Redington Beach:**
- **175th Terr Dr:**
- **174th Terr Dr:**

**Scale:** 0 - 140 - 280 FT
Pinellas County

Easement Status

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

~12 Easements

16 Easements

PHOTOGRAPHY
DATE: 01/2016
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

• Prior each project we will re-evaluate the need for easements
  – For this project ~120
  – If the beach were to fully erode before the next project we could need~344 additional easements
Questions?

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