The Federal Program in Florida: A quick look back and a critical look forward

FSBPA
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Bonita Springs, FL

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Dredging Program Manager
Jacksonville District
Agenda

• Provide an overview of the Federal Program in Florida in order to give you, our partners, an idea of the magnitude of the state/local commitment needed to protect Florida’s beaches in the future

  – Project/Program overview
  – Auth, History, trends
  – Recent events/Opportunities/challenges
  – Future projections
SHORE PROTECTION
Florida’s Federal Program

Nassau County: N. Amelia Island
Duval County: Jacksonville Beaches
St. Johns County: St. Augustine Beach
Flagler County
Volusia County
Brevard County: Cape Canaveral, Melbourne, Indialantic
Indian River County: Sebastian Inlet State Park, Vero Beach
St. Lucie County: Fort Pierce Beach
Martin County: Hutchinson Island
Palm Beach County: Ocean Ridge, Delray Beach
Broward County: Deerfield Beach, Pompano, Lauderdale-By-The-Sea, Dania, Hollywood/Hallandale
Dade County: BEC & HP Project, Sunny Isles, Virginia Key/Key Biscayne, Key Biscayne

Pinellas County: Sand Key, Treasure Island, Long Key
Manatee County: Anna Maria Island
Sarasota County: Longboat Key, Venice Beach, Lido Key
Lee County: Captiva Island, Gasparilla, Estero Island
Monroe County: Key West, Smathers Beach

Jacksonville Civil Works Boundary
Integrated Dredging Program

Regional Sediment Management
County by County Review and Projections

Assumptions/Disclaimer

- All extensions and report approvals are timely/no unexpected changes to projects
- Costs per last decision document used unless special conditions exist, then edits made to reflect reality/need (pending decision documents)
- Projects funded/constructed on schedule
- Not official
**Nassau County**

**Before**

Fernandina Beach circa 1975

**After**

Fernandina Beach shoreline at Sadler Road following TS Beryl in 2012

**AUTH: 05  CONST: 08  EXPIRE: 58  EXT: 73**

**Cost share: 79.1/20.9 (NAV)**

**Total Cost to date: $20.3M**

**20 year total cost: $48.6M**

*RSM has increased interval*
Duval County

Before | After

1970 | 2012

Cost share: 61.6%/38.4%
Total CG to date: $57.5M
20 year totalcost: $64.6M

*RSM
Shoreline south of the St. Augustine Pier in the 1960s

**Before**

1965

**After**

2012

**Auth:** 86  **Const:** 03  **Expire:** 51  **Ext:** 65

**Cost share:** 80.5%/19.5% (NAV)

**Total CG to date:** $45.7M

**20 year total cost:** $96.1M

*RSM*
Flagler County

**Before**

post-Tropical Storm Fay

**After**

Conceptual equilibrated post construction profile

**Auth:** TBD  **Const:** (18)  **Expire:** (68)  **Ext:** (83)

**Cost share:** 50%/50%

**Total CG to date:**

**20 year total cost:** $16.9M
<table>
<thead>
<tr>
<th></th>
<th>North Reach</th>
<th>Mid Reach</th>
<th>South Reach</th>
</tr>
</thead>
<tbody>
<tr>
<td>Auth/Const/Expire/Ext:</td>
<td>96/00/50/65</td>
<td>TBD</td>
<td>96/02/52/67</td>
</tr>
<tr>
<td>Cost share:</td>
<td>100% FED (Nav)</td>
<td>54%/46%</td>
<td>56.3%/43.7%</td>
</tr>
<tr>
<td>Total Cost to date:</td>
<td>$36.6M</td>
<td>$29M</td>
<td>$29M</td>
</tr>
<tr>
<td>20 year costs:</td>
<td>$42.4M</td>
<td>$76.3M</td>
<td>$43.2M</td>
</tr>
</tbody>
</table>
Ft. Pierce (St. Lucie County)

Before 1962

After 2013

Cost share: 77.76%/22.24% (NAV)
Total CG to date: $42.8M
20 year total cost: $80.4M

*RSM
*First to expire
Before 1968

After 2013

Auth: 90  Const: 96  Expire: 45  Ext: 60
Cost share: 46.6%/53.4%
Total CG to date: $22.7M
20 year total cost: $15.5M
Palm Beach County

Before

1947-Delary

auth/const/expire/ext: 62/98/48/63

cost share: 48.7%/51.3%

total cost to date: $14.4M

20 year costs: $30.6M

After

2013-Delary

Ocean Ridge

auth/const/expire/ext: 62/73/23/38

cost share: 56.3%/43.7%

total cost to date: $9M

20 year costs: $11.3M

Delray

auth/const/expire/ext: 62/88/38/53

cost share: 58.8%/41.2%

total cost to date: $5M

20 year costs: $24.4M

North Boca

auth/const/expire/ext: 62/96/05/61

cost share: 54.7%/45.3%

total cost to date: $7.9M

20 year costs: $64.7M

Jupiter Carlin
Broward County

Before

1961

After

2013

Segment II

Auth/Const/Expire/Ext: 65/70/20/35
Cost share: 56.4%/43.6%
Total CG to date: $11.7M
20 year total cost: $237.6M

Segment III

Auth/Const/Expire/Ext: 65/76/26/41
Cost share: 56.16%/43.84%
Total CG to date: $66.2M
20 year total cost: $136.2M
<table>
<thead>
<tr>
<th>Dade County</th>
<th>Before</th>
<th>Govt Cut to Bal Harbor</th>
<th>Sunny Isles</th>
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<tbody>
<tr>
<td>Auth/Const/Expire/Ext:</td>
<td>86/88/38/53</td>
<td>68/75/25/40</td>
<td></td>
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<tr>
<td>Cost share:</td>
<td>49.8%/50.2%</td>
<td>49.8%/50.2%</td>
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</tr>
<tr>
<td>Total CG to date:</td>
<td>$35.2M</td>
<td>$132.4M</td>
<td></td>
</tr>
<tr>
<td>20 year total cost:</td>
<td>$94.3M</td>
<td>$310.0M</td>
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</tbody>
</table>
Lee County

Before

After

Auth: 00 Const: 07 Expire: 17/20  Ext: 75
Cost share: 55.9%/44.1%
Total CG to date: $18M
20 year total cost: $30.0M
### Sarasota County

<table>
<thead>
<tr>
<th></th>
<th>Venice</th>
<th>Lido</th>
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<tbody>
<tr>
<td>Auth/Const/Expire/Ext:</td>
<td>86/95/45/60</td>
<td>99/TBD/TBD/TBD</td>
</tr>
<tr>
<td>Cost share:</td>
<td>65.8%/34.2%</td>
<td>62.4%/37.6%</td>
</tr>
<tr>
<td>Total CG to date:</td>
<td>$30.5M</td>
<td>$1.1M</td>
</tr>
<tr>
<td>20 year total cost:</td>
<td>$43.4M</td>
<td>$74.6M</td>
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</table>

**Before**

- Venice 1982

**After**

- Venice 2012

*Auth/Const/Expire/Ext: Authorization/Construction/Expiration/Expiration*
Manatee County

Before 1969

Cost share: 59.1%/40.9%
Total CG to date: $22.3M
20 year total cost: $35.0M

After

1969

1969
Pinellas County

Before

Treasure Island 1960

Auth/Const/Expire/Ext: 65/05/38/53
Cost share: 62.8%/37.2%
Total Cost to date: $125M
20 year costs: $76.9M

Sand Key

After

Treasure Island 2014

Auth/Const/Expire/Ext: 66/69/22/37
Cost share: 57.8%/42.2%
Total Cost to date: $34.7M
20 year costs: $42.9M

Treasure Isl

Long Key

Auth/Const/Expire/Ext: 66/50/30/45
Cost share: 60.8%/39.2%
Total Cost to date: $25.8M
20 year costs: $28.0M

Long Key
Walton County

Before

Walton County Beach 2006

Auth: WRRDA2014
Cost share: 30 fed/70 non-fed (approx)
Total CG to date: 0

- 18 mile project $65M initial construction
- 10 year renourishment period
Panama City Beach

**Auth:** WRDA 1986

**Cost share:** 60 fed/40 non-fed (approx)

**Total CG to date:** 18,602,000

**Total FCCE to date:** 29,924,000 (100% federal)

- 20 year cost $50M (approx)
Other Hopefuls*:

- Indian River County
- Collier County
- Sarasota, Longboat Key
- St Lucie Co
- St. Johns Co (North)
- Palm Beach, Juno
- Palm Beach, Midtown
- Palm Beach, Central Boca

*Not included in future projection figures
$Need Projections$

26 Active Projects over 20 years

137 miles of shoreline

Total Cost = $1.9 Billion
  Federal = $1.1 Billion
  Non-Federal = $800 Million

Average Cost/year = 97 Million
  Federal = $55.7M
  Non-Federal = $41.3M
President’s Budget vs Allocations

<table>
<thead>
<tr>
<th>Year</th>
<th>Senate</th>
<th>House</th>
<th>President</th>
<th>ACTUAL</th>
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<tbody>
<tr>
<td>2010</td>
<td></td>
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<td>2014</td>
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<tr>
<td>2015</td>
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</tbody>
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Percent Increase over President’s Budget

High: $104M    Low: $14M    5 year average $45.28M
Allocated Funding for Florida Beach Projects
FY 1980 – 2014

Trends: Storm and Workplan driven budget

$155M Hurricane recovery
$104M Hurricane recovery

Dollars (millions)
Jackie’s Crystal Ball

Average 1 project in budget/year

Backlog of needs

1-2 projects in workplan/year

Storm Response=bulk of program

...more of the same
Funding Challenges

• Costs Continue to Rise
• Increasing Competition for Scarce Funds
  – WRRDA, new starts, Sandy
• Budget Priorities
  – Life safety, Sandy, Imminent Danger, Resilience
  – Benefit to Cost Ratio
    • Recreation/Tourism/Environment
    • Need better recognition of Federal interest
Meet the Challenges

- Express the need- and FEDERAL INTEREST
- Communicate the benefits
  - FEDERAL INTEREST
- Be shovel ready to take advantage of funding opportunities
- Prioritize Regional Sediment Management
- Find ways to keep costs down
- Have a plan B
Stand United
-Florida needs to be heard
-FSBPA is a strong voice
-Engage elected officials
-Be the squeaky wheel
-Tell the story (Federal interest)

THANK YOU