Manasota Key Beach Restoration
A Regional Success Story

BOARD OF COUNTY COMMISSIONERS
OCTOBER 13, 2020
OUTLINE

• Design Plans and Sections
• Construction Details
• Fun Facts
• The Gappers
• South Beach
• Fantastic Shelling
• Mitigation Reef
• Acknowledgments
• Sarasota-Charlotte Joint Project (R-175 to R-15.4)

• Overlaps With Charlotte’s Existing Erosion Control Project (ECP) from Englewood Beach Park to State Park (R-9 to R-15.4)

• Constructed Concurrent with South Beach Fill Renourishment on Knight-Don Pedro Island
Design Plan and Sections
25-Yr Return Storm
50-Ft Design Berm +
Advanced Nourishment
Fun Facts

- Length = 3.82 Miles
- Volume Placed = 880,280 CY
- Borrow Area ~ 4.2 NM Offshore
- Contractor: Great Lakes Dredge & Dock
- Dredge Details: Padre Island, Dodge Island
- Engineer’s Opinion of Cost: $30,550,320
- Bid Range: $30,451,850 - $32,505,000
- Estimated “Regional” Savings ~ $8 Mil
- Avg Production Rate ~ 18,340 CY/Day
- State Stats: Ranked 3rd (Vol), 4th (Length)  Cost Share ~ $12.65 Mil (35%)
The “GAPPERS”

Sarasota GAP

Charlotte GAP
South Beach Fill

- Length = 1.65 Miles
- Volume Placed = 340,980 CY
- Borrow Area ~ 4.2 NM Offshore

Courtesy of GLDD
Fantastic Shelling
Mitigation Reef

- Area = 3.9 Acres (Net) (80% N, 20% S)
- Estimated # of Rocks = 16,472
- Location ~ 1400 Ft Offshore
- Contractor: Cayo LLC
- Engineer’s Opinion of Cost: $6,957,000
- Bid Range: $6,817,100 - $9,100,000
THANKS TO Charlotte and Sarasota BCC’s, Project Managers, & Staff
THANKS AND PRAISE
Great Lakes Dredge & Dock
THANKS AND PRAISE
Manasota Key Residents, Committees Ambassadors, & Stakeholders
THANKS AND PRAISE
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Photos Courtesy of Damian Ochab
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