

Miami-Dade County, Sunny Isles Beach Beach Renourishment Project

U.S. Army Corps of Engineers

Jacksonville District

August 31, 2017



US Army Corps of Engineers
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Project Purpose



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- coastal storm risk management
- beach erosion control
- hurricane surge protection





Beach Renourishment Benefits



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- protect infrastructure, the beach is the first line of defense against storm impacts and damage
- preserve the environment for wildlife
- support the economy (tourism)
- recreational value
- build coastal resiliency



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Overview of Federal Project



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- Main Segment: 10.5 miles in length. Initial construction of this segment began in 1975.
- Sunny Isles Segment: 2.5 miles in length. The segment was initially constructed in 1988.



Miami-Dade County Master Plan

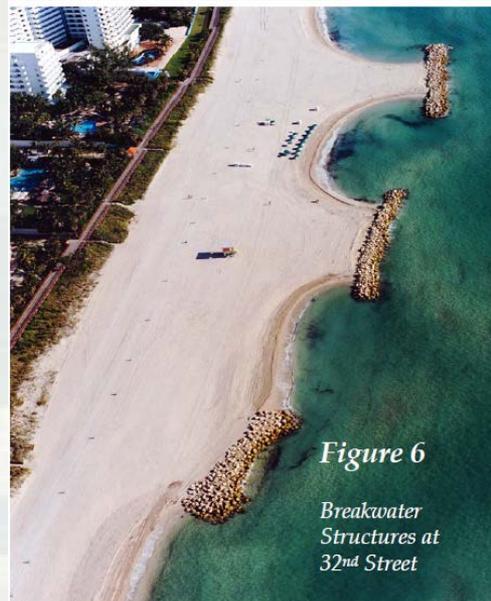


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Comprehensive summary of the current status of the beach, and identifies needs and solutions for future management of the shoreline

7 Hotspots

- 1) North end of Sunny Isles
- 2) Bal Harbour
- 3) 63rd Street
- 4) 55th Street
- 5) 44th Street
- 6) 32nd Street
- 7) North of Government Cut



Recommendations for managing these hotspots range from no action, to structural solutions such as breakwaters and groins and beach nourishment



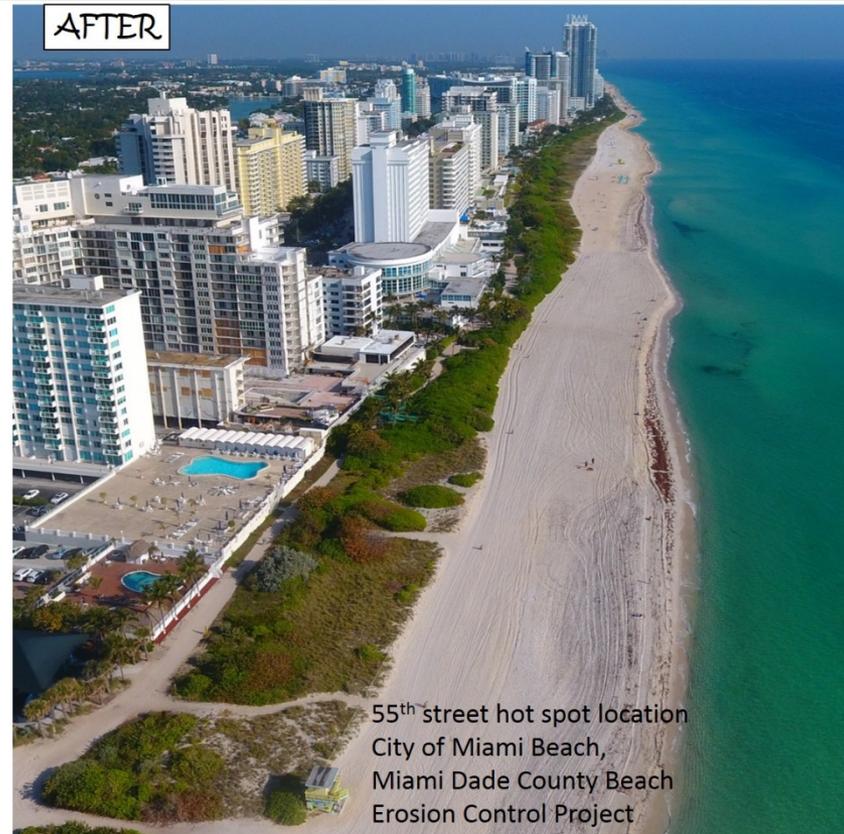
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Miami Beach Renourishment



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- Completed in March of 2017
- See more pictures at;
<https://www.flickr.com/photos/jaxstrong/sets/72157672356006160>



55th street hot spot location
City of Miami Beach,
Miami Dade County Beach
Erosion Control Project

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Sunny Isles Beach Project



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Base Beach Fill:

- 100,000 cubic yards of sand placed along the north end of the City scheduled to begin in December/January

Construction Staging and Truck Access Area

- The Ellen Wynne Beach access on the north side of the Ramada Inn near 193rd Street. Will be closed for several months once fill operations commence.



Base Contract



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Truck Access

From just north of Terracina Avenue, south to near the south end of the Millennium Condominium near 187th street.

Work will progress from south to north



Sunny Isles Project



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Options B & C Beach Fill:

- Both sides of the pier will be renourished with 20,000 cubic yards of sand on each side.
- Scheduled to begin end of September.

Staging and Access Area

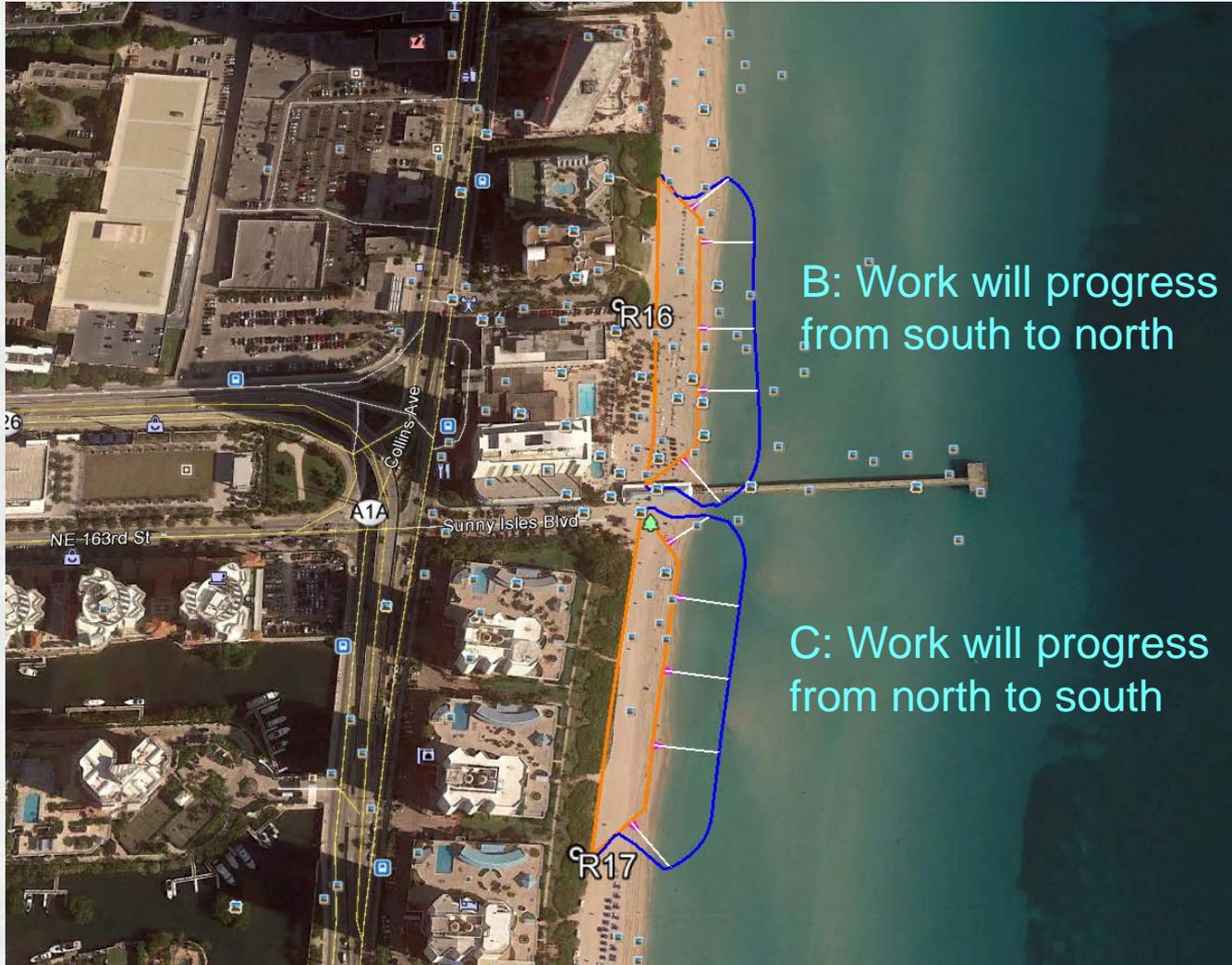
- 17501 Collins (former Monaco, travelodge)
- And Bakers Haulover Park



Option B and C



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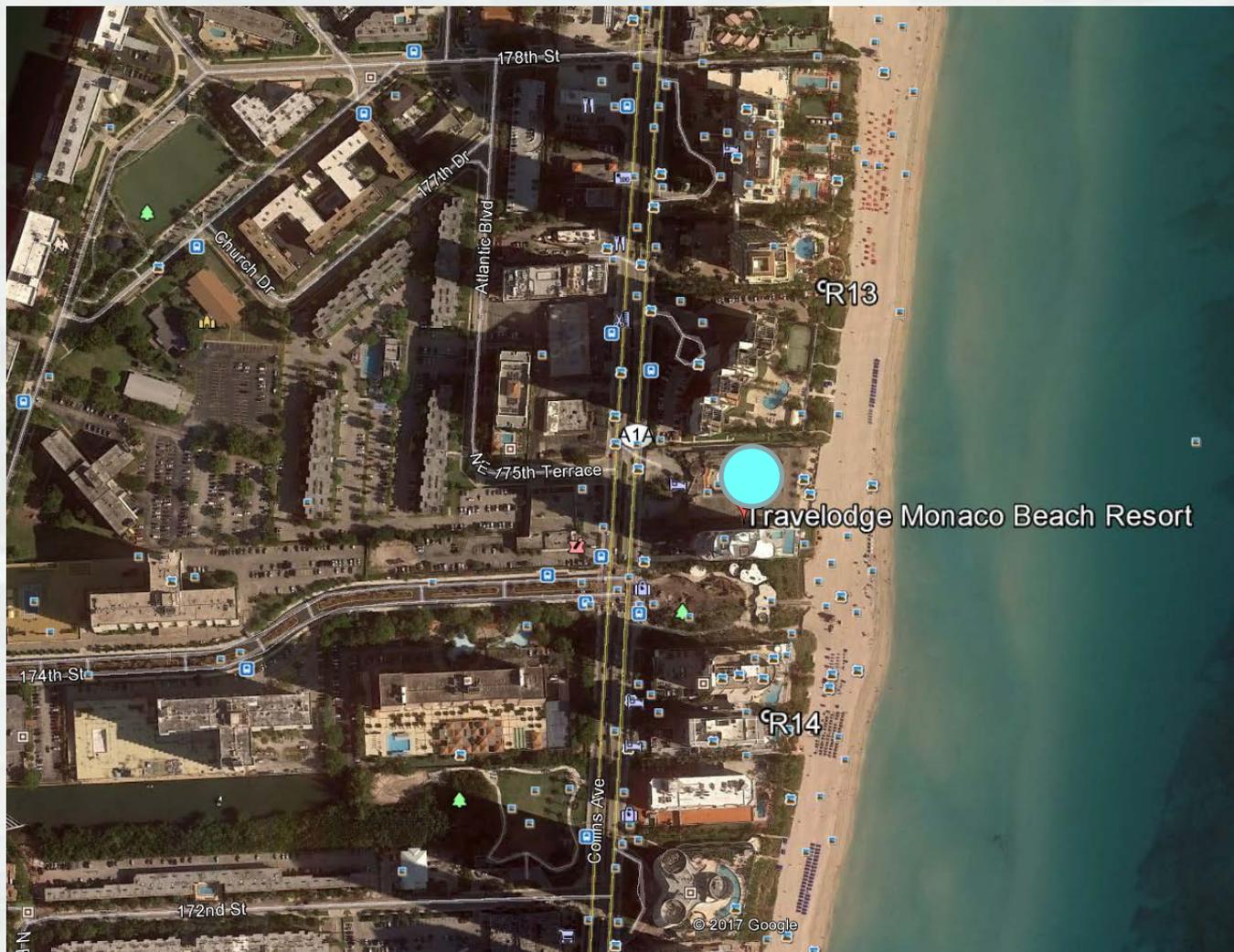




Middle Staging and Access



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Construction



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Expect to see and hear heavy machinery including dump trucks, bulldozers, backhoes



Some areas of the beach and the parking lots will be fenced off for your protection; please steer clear of all construction zones



Sunny Isles Beach Project



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Active Construction:

- ▶ Trucks in staging areas running M-T 7 a.m. through 6:30 p.m. F: 7a.m. to 5 p.m. S: 9 a.m. to 5 p.m., and no work on Sundays.
- ▶ Trucks and equipment on beach same timeframes.
- ▶ Several holidays identified as No Work days



What is the Cost for the Project?



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- The contract was awarded to Eastman Aggregate Enterprises, LLC for a total of \$8.6m
- Project is cost shared between the federal government (62.7%) and Miami-Dade County (19.3%) and state of Florida (18%)





Protection of Wildlife



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- Monitoring: daily of migratory shorebird and sea turtles (Miami-Dade County and Contractor)
- Relocation: of sea turtle nests out of construction zone
- Equipment Storage: From March 1 through November 30, staging areas for construction equipment must be located off the beach to the maximum extent possible. Nighttime storage of construction equipment not in use must be off the beach to minimize disturbance to sea turtle nesting and hatching activities.
- Beach Fill: material placed on the beach must be analogous to that which occurs naturally within the project location or vicinity in quartz to carbonate ratio, color, median grain size, and median sorting.





Additional Information



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Where can I get more information?

Corps Website

<http://www.saj.usace.army.mil/SunnyIslesBeach/>

Miami-Dade County Website

<http://www.miamidade.gov/environment/beach-renourishment.asp>

City of Sunny Isles Beach Website

<http://www.sibfl.net/renourishment>



Social Media



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U.S. Army Corps of Engineers Facebook
page: <https://www.facebook.com/JacksonvilleDistrict/>



@JaxStrong @MiamiDadeRER
@MiamiDadeCounty @CityofSIB





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Thank you!

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