

CITY OF BOCA RATON CAPITAL IMPROVEMENT PLAN

North Beach Renourishment Project

PROJECT #: 1440090

PRIORITY: 43

LOCATION

Spanish River Boulevard to Red Reef Park

DEPARTMENT

Municipal Services

DESCRIPTION

Restoration of North Boca Raton beach located between Spanish River Boulevard and Red Reef Park, approximately 1.5 miles in length by approximately 150 wide.

FY 2021/22

FDEP Local Government Funding Request Permit required physical monitoring

FY 2022/23

Development of the USACE GRR/LRR Permit required physical monitoring

FY 2023/24

None

FY 2024/25

FDEP and USACE Permitting

Permit required physical monitoring

FY 2025/26

Plans and specifications, bidding for planned 2027 project.

FY 2026/27

Construction

Construction Administration and Inspection Services

Physical and environmental monitoring before, during and after construction

JUSTIFICATION

Comprehensive Plan component in the Coastal Management Element #1.1.12. To ensure storm protection, the project provides replacement of eroded material and additional advanced fill. This is a re-restoration of the original project completed in 1988. First renourishment project occurred in 1997/1998, & the 2nd renourishment project was constructed in FY 2009/2010. This project was accelerated as a hurricane repair project due to the impacts from Hurricane Sandy in Oct 2012. The North Beach Project qualified for Flood Control and Coastal Emergencies (FCCE) assistance as well as Construction General funds from the USACE. The construction project was completed in December 2014. In 2016, North Beach was impacted by the passing of Hurricane Irma. The project area qualified for Federal funding for a Hurricane repair project, fully funded by the USACE. This project commenced construction in March 2020 and was completed in April 2020 with the placement of over 600,000 cubic yards of sand.

FY 2026/27 is the next scheduled North Beach Renourishment Project. The City plans to construct the North Beach Renourishment Project concurrently with the Central Beach Renourishment Project to reduce the overall mobilization and demobilization costs associated with the two projects.

By not doing this project, we would be unable to sustain a beach recreation area for beach goers and user of Spanish River Park and would risk the protected nesting area for endangered sea turtles. By not initiating this project, we subject the beach to severe damage and possible loss of the dune system, threatening the structural integrity of A-1-A Hurricane Evacuation Route. Failure to maintain the beach in a timely manner would result in escalation of construction cost and possible loss of Federal and State monetary participation. 50% of the project costs would qualify for reimbursement by the Florida Department of Environmental Protection subject to legislative approval and allocation of funds

IMPACT

N/A

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PROJECT COST AND FUNDING

	2022	2023	2024	2025	2026	2027	TOTAL
CONSTRUCTION	\$0	\$0	\$0	\$0	\$0	\$15,000,000	\$15,000,000
DESIGN & PERMITTING	\$10,000	\$600,000	\$0	\$200,000	\$80,000	\$0	\$890,000
MONITORING	\$85,000	\$91,900	\$0	\$99,400	\$0	\$200,000	\$476,300
PROJECT COSTS	\$95,000	\$691,900	\$0	\$299,400	\$80,000	\$15,200,000	\$16,366,300
ACCTNUM	2022	2023	2024	2025	2026	2027	TOTAL
354-4471-537.63-59	\$0	\$0	\$0	\$0	\$0	\$15,000,000	\$15,000,000
354-4471-537.63-59	\$10,000	\$600,000	\$0	\$200,000	\$80,000	\$0	\$890,000
354-4471-537.63-76	\$85,000	\$91,900	\$0	\$99,400	\$0	\$200,000	\$476,300
PROJECT COSTS	\$95,000	\$691,900	\$0	\$299,400	\$80,000	\$15,200,000	\$16,366,300
BPD	\$14,200	\$28,700	\$0	\$44,900	\$12,000	\$405,000	\$504,800
BRF	\$14,300	\$28,800	\$0	\$44,900	\$12,000	\$405,000	\$505,000
DEP	\$47,500	\$196,000	\$0	\$149,700	\$40,000	\$3,850,000	\$4,283,200
PBC	\$19,000	\$138,400	\$0	\$59,900	\$16,000	\$3,040,000	\$3,273,300
USACE	\$0	\$300,000	\$0	\$0	\$0	\$7,500,000	\$7,800,000
PROJECT FUNDING	\$95,000	\$691,900	\$0	\$299,400	\$80,000	\$15,200,000	\$16,366,300