CITY OF BOCA RATON
CAPITAL IMPROVEMENT PLAN

Central Beach Renourishment	**PROJECT #: 1440029**	**PRIORITY: 50**
LOCATION		**DEPARTMENT**
Red Reef Park to the Boca Raton Inlet		Municipal Services

DESCRIPTION

Restoration of the Central Boca Raton beach located between Red Reef Park and the Boca Raton Inlet, approximately1.5 miles in length by 150` wide.

FY 2021/22
Permit required physical monitoring

FY 2022/23
None

FY 2023/24
Permit required physical monitoring

FY 2024/25
FDEP and USACE Permitting

FY 2025/26
Permit required physical monitoring
Plans and specifications and 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.

Initial Beach Nourishment: The first beach nourishment project was completed in April 2004. The project consisted of the placement of 747,000 cubic yards (cy) of sand from an offshore borrow area. In addition to the beach nourishment project, a 170-foot groin was constructed in the central portion of the project (approximately 1,600 feet to the north of the Boca Raton Inlet), and the weir in the north jetty of the Boca Raton Inlet was relocated 50 feet seaward. The presence of the groin enhances the project's longevity and addresses a hotspot resulting from the downdrift effects of a rock outcropping to the north. The relocation of the jetty's weir allowed for a wider equilibrated beach north of the inlet.
In 2006 a Storm Damage Repair Project was conducted with the placement of 325,000 cy of sand. First Renourishment Project was completed in 2017 with the placement of 514,000 cy of sand.

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

This project will continue to preserves one of the City`s most valuable natural resources for future generations. The project will provide storm protection for the building structures adjacent to the beach and a buffer for A-1-A and South Beach Park. Additionally, this project will provide storm protection to the evacuation route along A-1-A. By not doing this project, we would not be providing a beach recreation area for beach goers and users of South Beach Park and not be providing protected nesting area for endangered sea turtles. By not initiating this project, we subject the beach to severe damage and additional loss within the dune system, threatening the structural integrity of A-1-A. 42.32% of the project costs would qualify for reimbursement by the Florida Department of Environmental Protection subject to legislative approval.

IMPACT

CITY OF BOCA RATON
CAPITAL IMPROVEMENT PLAN

N/A

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	$0	$0	$0	$200,000	$80,000	$0	$280,000
MONITORING	$70,000	$0	$75,700	$0	$81,600	$428,000	$655,300
PROJECT COSTS	**$70,000**	**$0**	**$75,700**	**$200,000**	**$161,600**	**$15,428,000**	**$15,935,300**
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	$0	$0	$0	$200,000	$80,000	$0	$280,000
354-4471-537.63-76	$70,000	$0	$75,700	$0	$81,600	$428,000	$655,300
PROJECT COSTS	**$70,000**	**$0**	**$75,700**	**$200,000**	**$161,600**	**$15,428,000**	**$15,935,300**
BPD	$13,100	$0	$14,200	$37,600	$30,400	$2,906,600	$3,001,900
BRF	$13,200	$0	$14,200	$37,700	$30,400	$2,906,600	$3,002,100
DEP	$29,700	$0	$32,100	$84,700	$68,400	$6,529,200	$6,744,100
PBC	$14,000	$0	$15,200	$40,000	$32,400	$3,085,600	$3,187,200
PROJECT FUNDING	**$70,000**	**$0**	**$75,700**	**$200,000**	**$161,600**	**$15,428,000**	**$15,935,300**