

CITY OF BOCA RATON CAPITAL IMPROVEMENT PLAN

South Beach Renourishment	PROJECT #: 440080	PRIORITY: 49
LOCATION	DEPARTMENT	
Southerly limit of the County Park extending South	Municipal Services	

DESCRIPTION

As mitigation to the inlet-induced downdrift erosion and an objective of the City's Inlet Management Plan, the City conducts periodic beach renourishment through contractor dredging of the inlet ebb tidal shoal and the placement of sand on the downdrift beaches.

FY 2020/21

FDEP Local Government Funding Request.

FDEP permit renewal.

Plans, specifications and permitting for scheduled 2022 sand bypassing event.

FY 2021/22

Permitting

Construction of sand bypassing event

Permit required physical and biological monitoring

FY 2022/23

Permit required Physical and biological monitoring

FY 2023/24

Permit required Physical and biological monitoring

FY 2024/25

Design and permitting for new USACE and FDEP permits

FY 2025/26

None

JUSTIFICATION

This project is a renourishment of the original project constructed in 1985, reconstructed in 1995/1996, 2001/2002, 2009/2010 and most recently in 2013. The City constructed a South Beach project in 2017 due to the passing of Hurricane Matthew.

This project is currently in the post-construction monitoring phase. The next scheduled renourishment project is for FY2022/23. Without this project, the Boca Raton Inlet would experience severe shoaling resulting in limited navigation, possible loss of property along the beaches south of the inlet, and direct damage to some of buildings south of the inlet.

This project also serves as a method to avoid severe erosion that would jeopardize the upland structures located adjacent to the beach as well as maintain navigability of the Boca Raton Inlet. Approximately 38.65% 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

PROJECT COST AND FUNDING

	2021	2022	2023	2024	2025	2026	TOTAL
CONSTRUCTION	\$0	\$10,100,000	\$0	\$0	\$0	\$0	\$10,100,000
DESIGN & PERMITTING	\$145,000	\$25,000	\$0	\$0	\$250,000	\$0	\$420,000
MONITORING	\$0	\$250,000	\$168,700	\$175,500	\$182,500	\$0	\$776,700
PROJECT COSTS	\$145,000	\$10,375,000	\$168,700	\$175,500	\$432,500	\$0	\$11,296,700

ACCTNUM	2021	2022	2023	2024	2025	2026	TOTAL
354-4471-537.63-59	\$0	\$10,100,000	\$0	\$0	\$0	\$0	\$10,100,000
354-4471-537.63-59	\$145,000	\$25,000	\$0	\$0	\$250,000	\$0	\$420,000
354-4471-537.63-76	\$0	\$250,000	\$168,700	\$175,500	\$182,500	\$0	\$776,700
PROJECT COSTS	\$145,000	\$10,375,000	\$168,700	\$175,500	\$432,500	\$0	\$11,296,700
BPD	\$30,000	\$2,145,050	\$34,900	\$36,300	\$89,400	\$0	\$2,335,650
BRF	\$30,000	\$2,145,050	\$34,900	\$36,300	\$89,400	\$0	\$2,335,650
DEP	\$56,000	\$4,010,000	\$65,200	\$67,800	\$167,200	\$0	\$4,366,200
PBC	\$29,000	\$2,075,000	\$33,700	\$35,100	\$86,500	\$0	\$2,259,300
PROJECT FUNDING	\$145,000	\$10,375,100	\$168,700	\$175,500	\$432,500	\$0	\$11,296,800