

CITY OF BOCA RATON CAPITAL IMPROVEMENT PLAN

South Beach Renourishment	PROJECT #: 1440080	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 2021/22

Construction of sand bypassing event

Construction Administration and Inspection Services 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

FY 2026/27

Permit required Physical and biological monitoring

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 FY2021/22. 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

	2022	2023	2024	2025	2026	2027	TOTAL
CONSTRUCTION	\$10,100,000	\$0	\$0	\$0	\$0	\$0	\$10,100,000
DESIGN & PERMITTING	\$50,000	\$0	\$0	\$250,000	\$0	\$0	\$300,000
MONITORING	\$250,000	\$168,700	\$0	\$182,500	\$0	\$197,400	\$798,600
PROJECT COSTS	\$10,400,000	\$168,700	\$0	\$432,500	\$0	\$197,400	\$11,198,600
ACCTNUM	2022	2023	2024	2025	2026	2027	TOTAL
354-4471-537.63-59	\$10,100,000	\$0	\$0	\$0	\$0	\$0	\$10,100,000

ACCTNUM	2022	2023	2024	2025	2026	2027	TOTAL
354-4471-537.63-59	\$50,000	\$0	\$0	\$250,000	\$0	\$0	\$300,000
354-4471-537.63-76	\$250,000	\$168,700	\$0	\$182,500	\$0	\$197,400	\$798,600
PROJECT COSTS	\$10,400,000	\$168,700	\$0	\$432,500	\$0	\$197,400	\$11,198,600
BPD	\$2,150,200	\$34,879	\$0	\$89,419	\$0	\$40,813	\$2,315,311
BRF	\$2,150,200	\$34,879	\$0	\$89,419	\$0	\$40,813	\$2,315,311
DEP	\$4,019,600	\$65,203	\$0	\$167,161	\$0	\$76,295	\$4,328,259
PBC	\$2,080,000	\$33,740	\$0	\$86,500	\$0	\$39,480	\$2,239,720
PROJECT FUNDING	\$10,400,000	\$168,700	\$0	\$432,500	\$0	\$197,400	\$11,198,600