M E M O R A N D U M

TO: Governing Board Members

FROM: Lucine Dadrian, P.E., Engineering, Construction & Modeling

DATE: August 14, 2025

SUBJECT: S-333 Maintenance Dredging and Low-Sill Weirs Project, Miami-Dade County

Agenda Item Background:
The S-333 Maintenance Dredging and Low-Sill Weirs Project, located in Miami-Dade County, will dredge sediment from the bottom of the L-67A and L-29 canals, 1,500 feet upstream of the S-333/S-333N complex along each canal, and install low-sill weirs in the canals. It is anticipated that dredging the fine sediments will remove existing buildup of sediment and the low-sill weirs will create a sediment trap for future sediment deposition.

Observed total phosphorus levels spike when the canal stages are low. Through the multi-agency Technical Working Group (the Florida Department of Environmental Protection, the District, the U.S. Department of the Interior, and the U.S. Army Corps of Engineers) coordination, maintenance dredging and low-sill weirs were recommended and approved for implementation by Agency Leadership in September 2023. The dredging activities will remove about 50,000 cubic yards of sediment. The scope includes dredging by barge, mechanical dewatering, and installation of 5 low-sill weirs in the canals.

The lowest responsive and responsible bidder is recommended for award. In accordance with District policy and consistent with state law for Request for Bids procurements, this item was competitively bid through a sealed bid process. The bid opening for this project was on August 5, 2025.

Additional Item Background:
Core Mission and Strategic Priorities:
S-333 Maintenance Dredging and Low-Sill Weirs Project supports the District's core missions of water quality, flood control, and ecosystem restoration.

Funding Source:
S-333 Maintenance Dredging and Low-Sill Weirs Project will be funded through dedicated funds (State Appropriations).

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ATTACHMENTS:

Resolution No. 2025-0806

Presentation Backup