

March 2023

Final Construction Report for **Miami-Dade Waterway Marker Project**

Miami-Dade County, Florida



Produced by:

ATKINS

Member of the SNC-Lavalin Group



Florida Fish and Wildlife
Conservation Commission
MyFWC.com

Project Summary

The following is a summary of the Miami-Dade County manatee protection and boating safety zone waterway marker repair project:

- The project included the repair or installation of a total of two hundred twenty-eight (228) regulatory waterway markers to post boating safety and manatee protection zones within Miami-Dade County, Florida. There are 11 new markers (six 1-pile markers, four 2-pile markers, and one 3-pile marker). There are 15 marker replacements (replacing eleven 1-pile markers and four 2-pile markers), and 202 marker repairs (single or double sign replacements).
- A change order was issued on November 3, 2022, to include a remove/install of Marker 3082 because when the contractor went out into the field, two piles were broken.
- A second changed order was issued on January 6, 2023, for a time extension.
- Permits were issued through United States Army Corps of Engineers (USACE) and United States Coast Guard (USCG).
- An initial preconstruction meeting was held on Monday, October 3, 2022 via in-person and teleconference. An inventory of signs was conducted by C-Scape and Atkins after the preconstruction meeting.
- The initial workplan included two hundred and thirty-three (233) markers, however five (5) markers were removed from the original workplan due to markers being replaced on other projects or missing markers that were present during initial observations. Appendix G describes the project changes and weather delays for this project.
- The initial piling installation observation of marker 1923 was conducted on October 10, 2022.
- Final construction inspections were conducted January 23-27, 2023.
- Final locations are provided in WGS-84 format, using degree, decimal minutes, along with final construction photos.

Purchase Order Date:

July 1, 2022

Project Start Date:

October 10, 2022

Project Completion Date:

January 13, 2023

Contractor:

C-Scape Construction
1108 44th Avenue NE
St. Petersburg, FL 33703

FWC Project Managers:

Kate Grimes

Paul Schulz

Atkins Project Managers

Jenna Katrina

Marie Yarbrough

Atkins Inspectors:

Jenna Katrina

Riggs Brusnighan



ATKINS

Member of the SNC-Lavalin Group

March 2023

Miami-Dade County Waterway Marker Project

Map Sheet 34



● Repair

State MPZ

- 30 MPH (All Year)
- Slow Speed (All Year)
- Slow Speed (Nov 15 - Apr 30), 30 MPH (Remainder of Year)
- Slow Speed (Nov 15 - Apr 30), 35 MPH (Remainder of Year)



ATKINS

Member of the SNC-Lavatin Group

Map Sheet 34

2032 SIDE: 1 SIGN FACES: SW



LAT: 25 49.167 LONG -80 8.434

Removed one 5'x7' sign and installed one new 5'x7' sign. Replace cross arms, hardware, pile tape, and pile caps.

2032 SIDE: 2 SIGN FACES: NE



LAT: 25 49.167 LONG -80 8.434

Removed one 5'x7' sign and installed one new 5'x7' sign. Replace cross arms, hardware, pile tape, and pile caps.

2083 SIDE: 1 SIGN FACES: E



LAT: 25 48.647 LONG -80 8.933

Removed one 5'x7' sign and installed one new 5'x7' sign on bridge fender. Replaced hardware.

2084 SIDE: 1 SIGN FACES: W



LAT: 25 48.607 LONG -80 8.920

Removed one 5'x7' sign and installed one new 3'x4' sign on bridge fender. Replaced hardware.



ATKINS

Member of the SNC-Lavalin Group

March 2023

Miami-Dade County Waterway Marker Project

Marker ID 2095 MapSheet 44	Mounting/Pile Information		WORK TO BE PERFORMED												
	Latitude:	25 47.407	Remove	Mounting Type				Install	Mounting Type				Pile Tape	Pile Cap	Pile Cap Qty.
	Longitude:	-80 10.888	<input type="checkbox"/>					<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>	
Sign Information			Remove Sign				Install Sign				Replace		Marker Comments		
Side	Permit	Rule	Faces	3x4	4x6	5x7	Other	3x4	4x6	5x7	Other	XArms		Hardware	
1	87-008	68C-22.025/68D-24.013	E	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	BRIDGE FENDER					
	Current Sign Message	MANATEE AND BOATING SAFETY ZONES IDLE SPEED NO WAKE WITHIN ICW CHANNEL SLOW SPEED MINIMUM WAKE OUT OF ICW													
	Flip Sign Message														
	New Sign Message	MANATEE AND BOATING SAFETY ZONES IDLE SPEED NO WAKE WITHIN ICW CHANNEL SLOW SPEED MINIMUM WAKE OUT OF CHANNEL													

Marker ID 2096 MapSheet 44	Mounting/Pile Information		WORK TO BE PERFORMED												
	Latitude:	25 47.379	Remove	Mounting Type				Install	Mounting Type				Pile Tape	Pile Cap	Pile Cap Qty.
	Longitude:	-80 10.868	<input type="checkbox"/>					<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>	
Sign Information			Remove Sign				Install Sign				Replace		Marker Comments		
Side	Permit	Rule	Faces	3x4	4x6	5x7	Other	3x4	4x6	5x7	Other	XArms		Hardware	
1	87-008	68D-24.013	W	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	BRIDGE FENDER					
	Current Sign Message	BOATING SAFETY ZONE IDLE SPEED NO WAKE													
	Flip Sign Message														
	New Sign Message	BOATING SAFETY ZONE IDLE SPEED NO WAKE													