Miamarina, Miami

Coastal Systems was engaged to support the revitalization of Pier 5 at Miamarina in Bayside Marketplace, one of Miami's premier waterfront destinations. The project focused on replacing and upgrading the docks used by the charter fishing fleet and other commercial vessels.

As part of the effort, Coastal Systems conducted a thorough inspection of both above- and below-water conditions. Based on this assessment, they recommended reusing the existing concrete piles while designing new deck structures with updated materials. This included new concrete caps and decking with integrated fiberglass grating, allowing for easy access to utilities. In total, about 330 feet of dock space was designed to accommodate 19 commercial boat slips for vessels up to 80 feet long. Areas around the stairwells also received new timber decking.

To ensure the project was environmentally responsible, Coastal Systems performed marine and hydrographic surveys across the four-acre project area. These surveys identified and mapped key marine resources such as seagrass, coral, and other sensitive habitats. The team provided detailed reports, maps, and data to help guide the design and permitting process and ensure minimal environmental impact.

The team also designed a new domestic water system for the slips and secured all necessary environmental permits from local, state, and federal agencies, including Miami-Dade County, the Florida Department of Environmental Protection, and the U.S. Army Corps of Engineers.

Construction drawings and specifications were prepared to support the City during the bidding process, and Coastal Systems provided oversight during construction. Coastal Systems also worked on the next phase of the project designing the reconstruction of 500 feet of overwater decking along the northern and western edges of Pier 5. This phase included new concrete support beams and decking, improved utility access, and the replacement of older timber docks and guide piles with modern, durable materials, all while maintaining the original layout.