

BIRD KEY PARK SHORELINE STABILIZATION

Client: City of Sarasota



Bird Key Park, located on the north side of State Road 789 (John Ringling Boulevard) and fronting Sarasota Bay is owned by the City of Sarasota. There are existing parking areas that serve the bay-side facilities, picnicking and unstructured bay recreation. In particular, this area is heavily frequented by wind-surfers due to its prevalent

exposure to high winds. However, this wind exposure has also resulted in frequent wind-generated wave impact on the upland park areas. The majority of the exposed shoreline was armored many years ago to reduce the effects of this wave impact. The bay side armoring consists of approximately 1500 ft of an existing Articulated Concrete Mat (ACM). In concert with plans for the extension of a Multi-Use Recreational Trail along the Park, the City desired to repair, replace and upgrade the shoreline stabilization while preserving public access to the bay through the Park.

Coastal Tech was contracted by the City of Sarasota under our Continuing Services Agreement to perform an assessment of the situation, develop alternatives and proceed with engineering design, permitting, bidding and construction phase services.

Permitting services required site environmental assessment and development of mitigation plans under both State Environmental Resources and USACE permits. The Construction Phase services included observations and Final Certification for the removal and replacement of portions of the Articulated Concrete Mat revetment. One notable effort was obtaining a Permit Modification for the relocation of a previously-unknown gas pipeline for the utility company TECO in 3 days! This effort kept the construction schedule on track and maintained complete regulatory compliance for the project.



Key Elements

- ☉ Site Characterization
- ☉ Stakeholder Outreach
- ☉ Design
- ☉ Environmental Assessment
- ☉ Mitigation Plans
- ☉ Permitting
- ☉ Bidding & Construction Phase

Date: 2008-2010

Fees: \$80,467.

Cost: \$1,176,000.

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