



ARCHITECTURE ◦ ENGINEERING ◦ PLANNING



SR LBK II LLC – St. Regis Groin Repair – 1561/1620 Gulf of Mexico Drive, Longboat Key, FL

Project Description:

The proposed work is to remove and rebuild portions of the existing groin within the same footprint with the same design as existing. The groin was built around 1965 with a 120-foot extension around 1967. Sometime around 1980 and around 1992, permission was sought and repairs were made to the existing 240-foot long groin. Although the overall length of the groin is 240 feet, much of it is buried at the landward (east) side of the shoreline. The overall area of proposed repair work is the 130-foot seaward segment of exposed groin, and it is 10⁷-4” wide.

The engineer will work with the contractor to remove and replace derelict elements. The top slabs of the groin appear to be in the worst structural condition and have to be removed first for inspection of the groin interior. New slabs would be reinstalled as the groin is rebuilt from the land out into the water. If during the removal process the existing structural elements are found to be in good structural conditions, they will be reused and hopefully left in place. If elements need to be replaced, they will be replaced in the same location as existing, utilizing the same design as originally proposed/approved/built.

Field work could start by November 2022 and be completed by February 2023. This is a one-time event for one structure only.

Turbidity curtains will be placed and maintained around the work area. During periods of rough water (which could destroy the curtains), water work will cease and the curtains removed until they are reinstalled at calmer weather.

Equipment to be used for the removal and rebuilding will be a multi-ton crawler crane on wood mats traveling back and forth from the upland on a line perpendicular to shoreline and just to the north or south groin edge. No upland protected vegetation will be impacted with the access or construction areas. Staging will be from the applicant’s upland (center) property, which is a construction site. The Gulf water is too shallow for any barge or equipment work in-water.

Rev. 11/8/22