Project Description
Creative Pultrusions worked in conjunction with Garcia Bridge Engineers to develop an optimized bridge fender system for the Ravenswood Bridge in Dania Beach, FL. A portion of the project included pile driving constraints due to existing overhead power lines that could not be relocated or deenergized during construction. Therefore, Creative Pultrusions’ design team came up with a segmented pile option that included splicing the FRP piles to reduce the installation length during construction. The spliced piles permitted the contractor to safely install the FRP piles while maintaining the necessary line clearance. The splices were manufactured by Kenway Composites, a subsidiary of Creative Pultrusions that specializes in vacuum infusion and filament winding manufacturing techniques.

Location
Dania Beach, FL

Installation Date
Spring 2017

Profiles Utilized
12” x 1/2” and 16” x 1/2” SUPERPILE®

Installation Method
Vibratory Hammer with Steel Driving Head Insert

Owner
Florida Department of Transportation

Contractor
Morrison-Cobalt JV

Sales Channel
Lee Composites