



# NJ Route 147 over Beach Creek

## Cape May, New Jersey

### Overview

NJ Route 147 is along the southeastern shore of New Jersey. FRP fender systems replaced deteriorating wooden fenders while handling higher energy requirements. Larger diameter piles were used at the end of the fender line and as dolphins for the high impact zones.

### Pilings

Diameter (in.)	Wall Thickness (in.)	Length (ft.)	Quantity
24	1.125	61	26
36	1.25	66	2

Installation Method: Vibration Hammer

### Installation

Owner: NJ DOT  
 Engineer: WSP  
 Contractor: PKF Mark III  
 Installation Date: August 2018

### Wales

Wale Type: Plastic timber with FRP bars  
 Wale Splices: FRP splice channels

