



# NJ Route 147 Over Grassy Sound 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. 24" OD piles were used for the continuous fender and 36" OD piles were used as dolphins for the high impact zones.

## Pilings

Diameter (in.)	Wall Thickness (in.)	Length (ft.)	Quantity
24	1.125	76	44
36	1.25	81	10

Installation Method: Vibration Hammer

## Installation

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

## Wales

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

