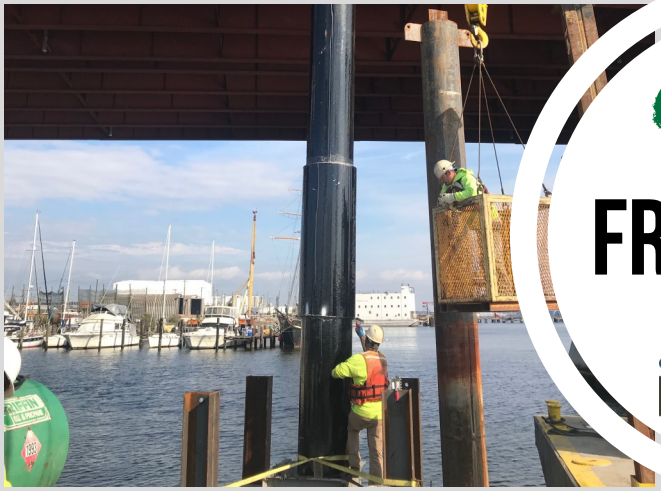
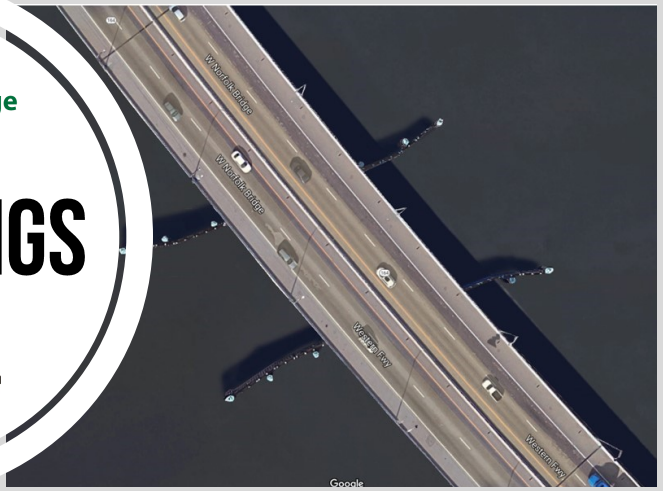


Composite Advantage

FRP PILINGS

FiberPILE™



Virginia Route 164 Over Western Branch of Elizabeth River

Portsmouth, Virginia

Overview

CA provide a VE proposal to use large diameter FRP pilings which reduced the construction cost of replacing the deteriorated wooden fender system. Low overhead constraints under the bridge required the contractor to use short pile sections with splices.

Pilings

Diameter (in.)	Wall Thickness (in.)	Length (ft.)	Quantity
24	0.875	89	42

Installation Method: Vibration Hammer

Installation

Owner: Virginia DOT

Engineer: Composite Advantage

Contractor: Ryan Construction

Installation Date: June 2019

Wales

Wale Type: Plastic Timber FRP bars

Wale Splices: FRP splice channel

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