



Craney Island Fuel Terminal

HIGH STRENGTH
Stronger than steel.

CORROSION RESISTANT
Increased service life and low maintenance.

LIGHTWEIGHT
70% Lighter than steel.



Location
Portsmouth, VA

Length
95 feet

Profiles Utilized
SUPERPILE® TU460

Installation Method
Vibratory Hammer
(ICE 44-50 w/A.C.E. caisson clamp)

Owner
U.S. Navy

Contractor
McLean Contracting

Sales Channel
Lee Composites, Inc.

Project Description

Creative Pultrusions, Inc. (CPI) supplied eleven 16" diameter SUPERPILES 95' long for the Center Mooring Fender, which is part of the US Navy Fuel Pier D replacement, at the Craney Island Fuel Terminal in Portsmouth, Virginia. A 4" filament wound collar was added to the pile as a stop for the HDPE sleeves, installed after the pile driving. The HDPE sleeves were added to help with abrasion from the ships during docking. Without any mechanical connection the 20' 5" sleeve is allowed to rotate freely around the pile while the smaller 1' 4" is placed behind the U-Bolt that attaches to the top of the concrete mooring structure.

The 95 foot pile is our longest pile to date and the longest pultrusion that CPI has produced in its 40 years of manufacturing. The SUPERPILES, manufactured with SUPURTUF™ Polyurethane resin, were chosen for their high energy absorption characteristics and corrosion resistance attributes.