

# Product Case History



## Safety Bollards & Rails

**LOCATION:** Fort Lauderdale, FL, United States

**DATE OF APPLICATION:** November 2015

**MARKET:** Oil & Gas Midstream

**TYPE:** Maintenance

**OWNER:** Vecenergy

**PROJECT SIZE:** 625 Linear Feet

**AREA COATED:** 16" Tube Steel Safety Bollards & Valves

SUBSTRATE: Ferrous Metal (Carbon Steel)

EXPOSURE: Exterior Weathering - severe industrial - seacoast and chemical environment

SURFACE PREP: SSPC-SP 3 (Power Tool Clean)

PRODUCTS: Carbothane 134 HG, Carbothane 134 Clear Coat, Rustbond

### PROJECT DESCRIPTION:

The safety bollards and valves at Vecenergy's Fort Lauderdale terminal were in need of repairs. The original factory applied finish was faded and showing signs of wear and exposure to the harsh south Florida sunshine. Surface preparation options were limited as the terminals loading racks had to remain in service full-time as the project was completed. Non-sparking power tools were used to sand all surfaces prior to coatings application.

### COATING SELECTION EXPLANATION:

The primer recommended was Rustbond, a clear penetrating primer/sealer applied at 1.0-2.0 mils DFT for its ability to be applied over marginally prepared surfaces and obtain tenacious bond.

Carbothane 134HG (color #6666 Safety Yellow & color 5555 Safety Red) was provided for its outstanding color and gloss retention properties to provide a long-term, aesthetically pleasing finish coat applied at 3.0-4.0 mils DFT.

For added UV protection and color stability Carbothane 134 Clear Coat was applied at 1.0-2.0 mils DFT.

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ADDITIONAL PHOTOS:

