

Location:

Large, PA

Date of Application:

October 2008

Market:

Bridge and Highway

Substrate:

Steel

Surface Prep:

SSPC-SP 12 (WJ-1) (Water Jet
Cleaning to Bare Substrate)

Exposure:

Exterior Weathering - mild - urban or
rural exposure

Square Feet:

6000.0

PA Turnpike Pedestrian Bridge Support Steel

Area Coated: Exterior Coating

- First Coat: Rustbond
- Second Coat: Carboguard 1340
- Third Coat: Carbothane 133 LH

Project Description:

Structural Steel supporting a pedestrian bridge spanning a toll plaza. Exposed to weather and potentially a fire from a vehicular accident involving a tanker truck hauling flammable product. UL 1709 exposure resistance required. This was a re-fireproofing of a job originally performed with a non-exterior rated intumescent. ThermoLag 3000 was used as the fireproofing material of choice.

Coating Selection Explanation:

Fall weather in western, PA required containment and heating. Work area was between 6 active lanes of traffic. Extremely complex geometry making access very limited.

