

RUST-OLEUM INDUSTRIAL BRANDS SUCCESS STORY #017

COMPANY: New Jersey Turnpike Authority

INDUSTRY: Government – Transportation

LOCATION: New Jersey

PRODUCT: Noxyde

PROBLEM:

The New Jersey Turnpike Authority has over 150 miles of highway with multiple overpasses constructed of steel. The expansion joints on many structures were showing signs of severe corrosion and were approaching the end of their service life. The Turnpike Authority was looking for a way to extend the life of the expansion joints rather than replacing them. Given that they were located over a busy highway, they could not completely shut down areas of the turnpike. They were also limited in the types of surface preparation they could do. Abrasive blasting was not a practical option due to passing traffic below.

SOLUTION:

Rust-Oleum's single-component, elastomeric acrylic Noxyde system was selected due to the need for minimal surface preparation and ability to achieve long term corrosion resistance. The multi-year project is being completed using SSPC SP-12, high-pressure water blasting surface preparation, requiring only a few lanes of traffic to be closed at a time. Two coats of Noxyde are then applied by spray, brush & roll methods. Since Noxyde has similar characteristics to a dry fall, there was no worry about the possibility of over-spray on passing vehicles. The New Jersey Turnpike Authority was able to complete the work without having to completely close areas of the turnpike. They reduced the possibility of over-spray, saved money, time and labor by not having to prepare the surface with an abrasive blast. Since they were looking at extending the life of the structures, they were more than happy with the corrosion resistance characteristics Noxyde was able to provide.