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RESEARCH UPDATE

Update U96-28

WASSER STRUCTURAL STEEL COATING

REFERENCE:

WP 92-R-1

HISTORY:

In 1992, a Wasser structural steel coating was applied on Br 14, TH 1 in Huntington as part of the BHS 0211(3) project. The bridge was partially dismantled, with the structural steel being transported to the contractor's facility where it was cleaned and recoated. The bridge was then reassembled. In 1994 this coating was inspected and found to be in good condition with minor pinpoint corrosion on the top of the exterior flange on Span 3. The grease coating on the beams was good and heavy.

PRODUCT:

Wasser High Tech Coating, consisting of MC-Zinc Primer, MC Miomastic Intermediate Coating, and MC Ferrix-A Topcoat.

STATUS:

The coating was inspected on December 3, 1996. The condition of the coating is good with only a few more pinpoint corrosion spots than in 1994. The grease coatings on the beams had vanished and was replaced with a surface coat of rust at all beam ends. The dry film thickness of the Wasser coating averaged 9.5 to 9.8 mils.

FOLLOW UP:

The coating will continue to be inspected annually, with an emphasis on corrosion resistance of the system.

**Rusting at end of Beam.**