



STABILIZATION OF LEAD-BASED PAINT ON STEELWORK OF DESOTO BRIDGE IN ST. CLOUD, MN PRIOR TO DEMOLITION



DESOTO BRIDGE IN ST. CLOUD, MN



CLOSEUP OF GUSSET PLATE

The Desoto Bridge over the Mississippi River in St. Cloud, similar in vintage and design to the ill-fated I-35W bridge in Minneapolis and, like so many other older bridges across the country, was found during a March 2008 inspection to be in badly deteriorating condition and in need of major repair or replacement. The inspection revealed extensive corrosion and bending of gusset plates in 4 locations, leading to a replacement decision. MNDOT plans to replace over 60 bridges by the end of 2012.

Demolition of the Desoto Bridge got underway later in 2008. EPA regulations to prevent loose, flaking lead-based paint (LBP) from releasing during demolition require that the LBP be stable before the demo can start. To accomplish this all of the steelwork with loose paint was first sprayed with approximately 5-10 wet mils of SE-110-MS Penetrating Stabilizer (Primer). This primer coat, which is normally used as the first coat when abating hazardous surfaces such as LBP, asbestos-containing materials (ACM) and mold/mildew, has been found to be very effective by itself for re-adhering loose, flaking LBP in a variety of situations.

Because SE-110-MS is a water-based coating, care must be taken to avoid application when the ambient temperature is much below 50°F, especially if there is any danger of the temperature dropping below 32°F within 24 hours following the application of the coating. The cost of the coating material for this type of application will typically not exceed 20-30 cents per sq. ft.

For further information on SE-110-MS Penetrating Stabilizer and other applications, consult the Product Data Sheet.

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