

Arlington Bridge Structure Critical Rehabilitation



Type of Project:

Structural rehabilitation of truss bridge structure critical components with the application of a HRCSA rust mitigation coating system.

Project Description:

Repairs of all crevice corroded joints and connections on lower section of bridge, clean and apply HRCSA coating system.

Reason project was undertaken:

To restore structural load capacity, stop crevice corrosion and pack rust, and apply long lasting protective coating to the steel.

Name and location of facility:

Arlington Bridge, located over CP Rail yard in Winnipeg, Manitoba, Canada

Project start and completion dates:

May - October 92

Service Environment:

Industrial / Urban, heavy road salt



Surface Preparation: Methods, degree of cleaning, profile:

SSPC SP 6 at 2 mil profile

Coating application methods, equipment:

Airless spray, brush

Coating system, number of coats, dry film thickness per coat, etc.:

Application of Termarust TR2200HS HRCSA Penetrant/Sealer to joints and connections followed immediately with an application of Termarust TR2100 HRCSA Primer/Topcoat, 10 mils DFT.

Safety and Environmental Protection Measures:

Containment platforms and tarps to protect the rail yard underneath. No lead program.

Unusual Job conditions:

Working over an active rail yard. Clearances for platforms were a problem.

Evidence of good performance:

Five year warranty on the coating (that included crevice corroded joints and connections) has expired with no claims against Termarust.

Why Termarust was used:

Termarust and the contractor provided a 5-year warranty on leakage from pack rusted joints and connections and a minimum 25-year coating system service life.

Owner's Representative:

Contact: Bill Epenspanger, City Engineer

Company: City of Winnipeg

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Contractor:

Contact: Ron Lambert

Company: Winnipeg Sandblasting

Tel: 204-633-2750