

REPORT – AFTER 10 YEARS OF SERVICE

STOPPING & PREVENTING CORROSION

Bridge: Arizona Avenue Pedestrian Truss Bridge Over the C&O Canal, in Washington, D.C. Bridge was sandblast cleaned and recoated with the Termarust HRCSA High Ratio Co-Polymerized Calcium Sulfonate Coating System in 1999.

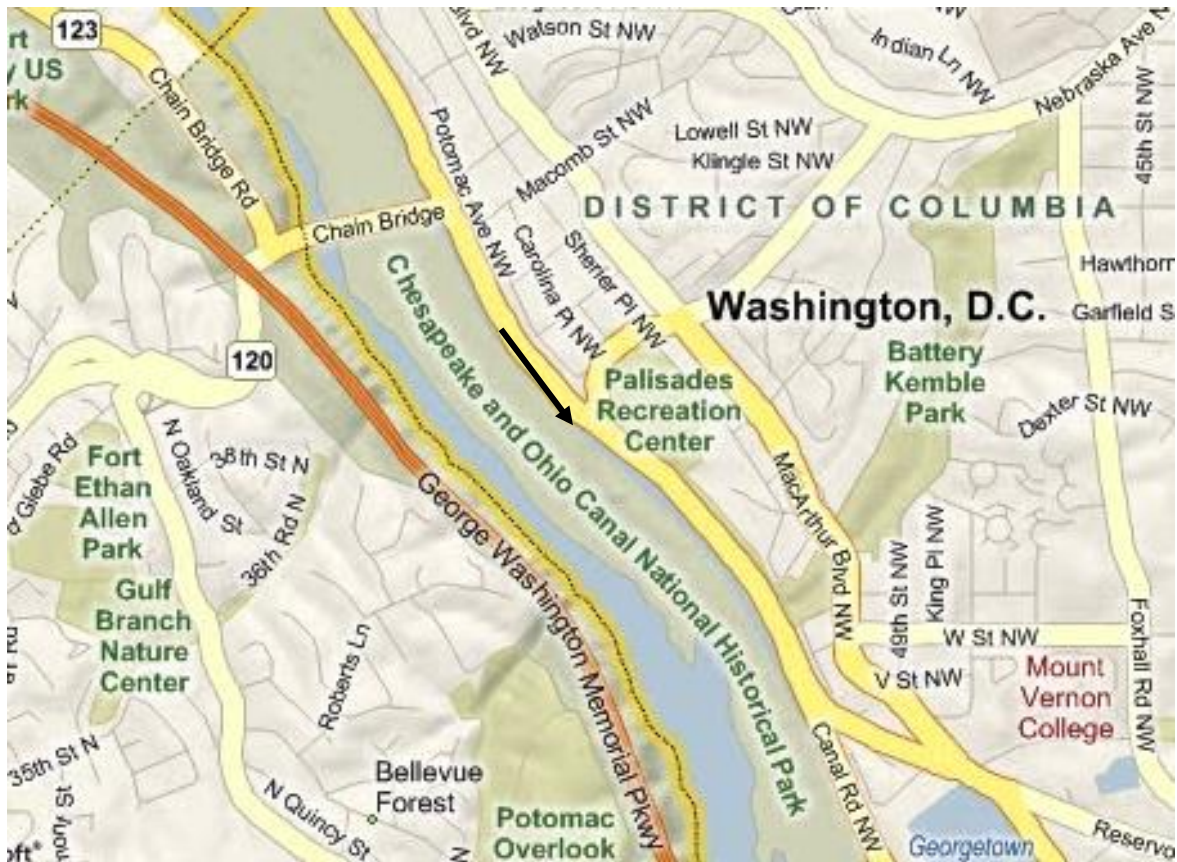


For the U. S. National Park Service C&O National Park

Hagerstown, Maryland

Coating Materials from

Termarust Technologies



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OVERVIEW

This report provides some background information and photos of the bridge, and the condition of the Termarust coating system that was applied to it in 1999.

This is a two span through truss pedestrian truss bridge that crosses over the Chesapeake and Ohio (C&O) Canal, and Canal Road, in Washington, D.C.

Shown below are references and procedures for cleaning and painting, and pictures of the bridge and the cleaning and painting operations.

UPDATE – OBSERVATIONS OF THE MAY 12, 2009 SITE VISIT

On this date, the bridge was visited to look at the condition of the Termarust coating and observe whether all corrosion had been stopped or prevented.

The Termarust coating appeared to be in excellent condition

- No surface or crevice corrosion was seen
- There was no apparent degradation of the Termarust coating.
- The Termarust coating system was performing as expected.

REFERENCES

National Park Service – Hagerstown, Maryland

Michael Siebert – Phone: 301-745-5818

CLEANING AND APPLICATION PROCEDURES

In the 1990's the procedures for cleaning and preparation of bridges for application of the Termarust coating system were to sandblast clean the structure down to at least a 'near white' surface condition – which was what was done for this bridge.

The procedures for applying the Termarust coating materials were the following, after the sandblast cleaning was completed.

1. With dry compressed air – blow dry all connections (and cross-over points on built-up lattice members. (almost all superstructure members)
2. Apply Termarust TR2200 Penetrant into all ‘open’ connections
3. Apply a caulk (or stripe) coat of Termarust TR2100 into/onto edges of connections
4. Apply a 10 mil DFT coating of the TR2100 self-priming Topcoat onto the steel

The final result was:

- 10 mils DFT on bare steel, and
- 20 mils DFT over Penetrant-treated connections.

PICTORIAL OVERVIEW

The following photos provide a pictorial overview of the project.



