The TrussCoat® Advantage

The Contech TrussCoat® system includes a high performance industrial paint system over a durable hot-dip galvanized base. TrussCoat® is backed by an industry leading dual warranty, which includes a 5-year warranty on the paint system and a 35-year warranty on the galvanizing. Absolutely the best protective finish in the industry, professionally painted in an OSHA compliant, climate controlled paint booth and inspected by certified experts to ensure complete satisfaction and that the highest of standards are met.

TrussCoat® provides a unique advantage; a duplex coating that offers long-term durability through a synergy of paint and galvanizing that provides protection far superior to either system independently.

- Hot-dipped galvanized per ASTM A123 with 35-year warranty
- One coat or two coat paint options with 5-year warranty
- AISC sophisticated paint endorsement
- In-house team of QP-3 certified paint and inspection professionals
- OSHA compliant blast and climate-controlled paint booth
- Available in almost any color
TrussCoat® Specification

Galvanizing of Steel Bridge Components:
- Hot-dip galvanizing shall be in accordance with ASTM A-123
- Damage to hot dip galvanized coatings, repaired in accordance with ASTM A-780
- All bolts and fasteners galvanized in accordance with ASTM specification A-153
- Material for galvanizing to be geometrically suitable for galvanizing as described in ASTM A 384 and A 385
- Fabrication practices for products to be in accordance with the applicable portions of ASTM A 143, A 384, and A 385, except as specified herein. Avoid fabrication techniques that could cause steel distortion or embrittlement
- Coating requirements conform to paragraph 6.1 of ASTM A 123 / 123M, Table 1 of ASTM A 153 / 153M, or Table 2 of A 767, as appropriate
- The Galvanizer of the bridge structural steel (other than bridge flooring) shall provide the Bridge Owner a written limited warranty against corrosion of the superstructure components for a period of not less than 35 years.

Shop Assembly:
- Shop assembly shall conform to AASHTO Construction Specifications and AASHTO/NSBA S2.1 Guide Specifications, manufacturer shall shop assemble the entire span
- All welded assemblies inspected by a Certified Weld Inspector that is qualified under the AWS QC-1 program
- Bridge manufacturer is AISC Certified and a written copy found in the Manufacturer’s AISC Certification Manual

Shop Coating System for Galvanized Steel: Cleaning, abrasive blast cleaning, and painting of galvanized bridge steel
- SSPC-SP 1 – Solvent Cleaning
- SSPC-PA 2 - Measurement of Dry Coating Thickness with Magnetic Gages.
- SSPC-SP 15 – Commercial Grade Power Tool Cleaning
- SSPC-SP 16 – Brush Off Blast Cleaning of Coated and Un-Coated Galvanized, Stainless Steels, and Non-Ferrous Metals

Quality Assurance: Coating Manufacturer’s Qualifications
- Specialize in manufacture of coatings with a minimum of 10-years successful experience
- Coatings and coating application accessories shall be products of a single Coating Manufacturer

Applicator’s Qualifications:
- All surface blasting completed in an enclosed, OSHA compliant blast booth
- Prepare galvanized steel surfaces in accordance with SSPC-SP 1 and SSPC-SP 16
- SSPC-GP3 certification, able to provide a current SSPC-GP3 certification with the bid and maintain certification throughout the duration of the project
- AISC Complex Protective Coatings Endorsement, able to provide a current AISC certificate with CPC endorsement with the bid and maintain certification throughout the duration of the project
- A minimum of Five (5) years of successful galvanized steel bridge and painting experience with a minimum of 2 galvanized steel bridge painting projects
- Application of coating system shall be performed in a climate controlled and OSHA compliant paint booth owned and staffed by the bridge manufacturer
- Paint system manufacturer shall provide the Bridge Owner with a written limited warranty (on materials only) against defects for a period of not less than 5 years
- Quality Control Inspector(s)
- NACE or SSPC Certified full time trained and experienced quality control inspector(s) to conduct all of the Quality Control tests and inspections
- Do not allow the Quality Control Inspector(s) to perform any of the actual cleaning or painting work, and do not conduct any cleaning or painting operations unless a Quality Control Inspector is present
- SSPC GP3 requirements for Quality Control Inspectors, training and certification deemed acceptable by the Engineer (e.g., SSPC Bridge Coatings Inspector Certification, NACE Certification, or other)
- Full time Quality Control inspection of shop bridge painting involving abrasive blast cleaning and spray application of multi-coat system(s) in 12 of the last 24 months, or on 3 or more shop bridge projects in the last 24 months. Document this experience