

STATE OF OHIO
DEPARTMENT OF TRANSPORTATION

SUPPLEMENTAL SPECIFICATION 885

FIELD PAINTING OF EXISTING STEEL WITH WARRANTY

August 10, 1999

885.01	Description
885.02	Warranty Maintenance Bond
885.03	Warranty Item and Remedial Actions
885.04	Materials
885.05	Quality Control
885.06	Surface Preparation
885.07	Testing Equipment
885.08	Handling
885.09	Mixing and Thinning
885.10	Coating Application
885.11	Caulking
885.12	Safety Requirements and Precautions
885.13	Inspection Access
885.14	Protection of Persons and Property
885.15	Pollution Control
885.16	Work Limitations
885.17	Warranty Evaluation Review
885.18	Warranty Corrective Work
885.19	Method of Measurement
885.20	Basis of Payment

885.01 Description. This item shall consist of furnishing all necessary labor, materials, and equipment to clean and paint all existing steel surfaces, as specified herein, and also unconditionally warrant the paint system applied to the bridge to be free of defects as defined in section 885.03. Acceptance by the Engineer of any portion of the work during the original cleaning and painting will not relieve the Contractor of the requirements of the warranty.

885.02 Warranty Maintenance Bond. When the Contractor provides the Department with the performance and payment bonds specified in 103.05, the Contractor shall also furnish a 5-year warranty maintenance bond equal to 100 percent of the total price for each item "885 Surface Preparation of Existing Steel, With Warranty."

The Surety that underwrites the maintenance bond is required to have an A.M. best rating of "A-" or better. The cost of the maintenance bond shall be included in the pay item.

The effective date of the maintenance bond is the date the Department's Form C-85 is issued for all paint items on the project. After the C-85 is issued, the Department will notify the Surety of the official start date for the warranty bond and the project will be finalized using standard procedures. The maintenance bond expires after 5 years from the issuance of the C-85 if no corrective work is required or after completion of the Contractor's corrective work and approval by the Department.

The Contractor shall maintain the liability insurance specified in 107.14, covering any Contractor or Contractor authorized operations, persons, and equipment while any corrective work, or warranty evaluation review is being performed.

885.03 Warranty Item and Remedial Actions. The paint warranty items the Contractor is responsible for are listed below and will be determined by visual inspection, destructive inspection and paint thickness measurements of the applied paint system for the period of years as specified in 885.02 of this specification.

The paint system will be considered defective if any of the following conditions are discovered within the specified warranty period.

1. The occurrence of visible rust or rust breakthrough, paint blistering, peeling, scaling or un-removed slivers.
2. Paint applied over dirt, debris, blasting debris, or rust products not removed during blast cleaning.
3. Incomplete coating or coating thicknesses less than the minimums specified in the paint system specifications
4. Damage to the coating system caused by the Contractor while removing scaffolding, forms, or performing other work.

Exclusion to the warranty will be damage to the coating resulting from vehicle damage, fire, or other damage not caused by the Contractor or subcontractor.

885.04 Materials. A three coat paint system consisting of: Organic Zinc or Inorganic Zinc Prime Coat, Epoxy Intermediate Coat and a Urethane Finish Coat.

The Contractor shall select a coating system meeting the requirements of Supplemental Specification 910 entitled OZEU Structural Steel Paint. If the contractor elects to use an inorganic zinc primer, the inorganic zinc shall meet the requirements of 708.17. The intermediate and finish coats shall meet the requirements of Supplemental Specification 910 and all coats shall be from the same manufacturer. The approved list of coatings meeting this specification is on file at the Office of Materials Management. District Offices and on the internet at: <http://www.dot.state.oh.us/testlab/applist/chem/chemindx.htm>.