Chapter 4  Construction Details

Section 59  Structural Steel Coatings

4-5901  General
4-5902  Before Work Begins
4-5903  During the Course of Work
4-5904  Quality Control
4-5905  Payment
Chapter 4  Construction Details

Section 59  Structural Steel Coatings

4-5901   General

https://dot.ca.gov/programs/engineering-services/manuals

4-5902   Before Work Begins
Review Sections 4-91, “Paint,” and 6-2, “Acceptance of Manufactured or Fabricated Materials and Products,” of this manual.

After the prepainting meeting, obtain and review the contractor’s painting quality work plan for structural steel painting or paint removal.

4-5903   During the Course of Work
Refer to Section 155, “Paint,” of Structure Construction’s Bridge Construction Records and Procedures manual for guidelines on inspecting surface preparation, paint application, thickness of paint film, and protective measures. Included in this section is a bridge painting checklist that will aid with verification of contract compliance.

Take the following steps:

- Ensure that surfaces have been prepared as the specifications require.
- Allow application of paint only to thoroughly dry surfaces and only during periods of favorable weather.

4-5904   Quality Control
Department acceptance for structural steel painting consists of verification inspection that validates the contractor’s quality control sampling and testing program. This verification inspection consists of witnessing the contractor’s quality control to ensure that the contractor measures coating thickness, coating adhesion, and soluble salt levels at the frequency specified and at locations determined by the resident engineer.

4-5905   Payment
For the basis of measurement and payment, refer to the appropriate sections of the special provisions and Standard Specifications.