

<b>SUPERSEDED BY</b> <b>EB 21-057</b> <b>EFFECTIVE 11/24/21</b> Preliminary Plan Review Bureau FILE		PREL. INITIAL <b>MAR 26 1979</b>	<b>ENGINEERING INSTRUCTION</b> NEW YORK STATE DEPARTMENT OF TRANSPORTATION
Distribution: <input checked="" type="checkbox"/> Main Office <input checked="" type="checkbox"/> Regions <input type="checkbox"/> Special		SUBJECT: MAINTENANCE CLEANING AND PRIMING OF STRUCTURAL STEEL Subject Code: 7.27-1-570 and 740	<b>MAR 26 1979</b> ELIMININARY PLAN REVIEW BUREAU
APPROVED: <i>Roger H. Edwards</i> Deputy Chief Engineer (Facilities Design Subdivision)		Code: <del>EB 21-11</del> BLDG. 5 Date: <u>March 22, 1979</u> Supersedes:	

Reference: Standard Specifications, January 3, 1978  
 Section 570, Cleaning and Painting  
 Section 740-01, Painting Metal Structures

The referenced sections of the Standard Specifications give detailed instructions concerning the methods and procedures to be followed when preparing metal surfaces to receive paint. In addition, reference is made to the Steel Structures Painting Council (SSPC) Specifications which include pictorial standards of acceptable surface condition after work has been completed for both Brush-Off Blast Cleaning and Commercial Blast Cleaning (removal of rust and loose paint to bare steel).

The Department has experienced difficulties in the recent past in two areas concerning the application of these specifications:

1. In many instances, the bid price for Maintenance Cleaning and Priming of Structural Steel has far exceeded the Department's estimate for the work.
2. In some instances, a dispute arose between the Contractor and the Engineer in Charge relative to the amount of existing metal surface which was to be subjected to commercial blast cleaning (bare metal).

In an attempt to minimize the above situations the following procedure shall apply on all future projects involving the cleaning and priming of structural steel:

1. The Designer shall arrange for a field inspection of each structure to be painted not more than one (1) year preceeding the P.S. & E. submittal date. The inspector's report shall indicate the percent of steel surface area requiring commercial blast cleaning to the nearest 20 percent (i.e. 0 - 20 - 40 - 60 - 80 - 100). The SSPC specifications shall be used as a guide in determining the amount of surface which will require commercial blast cleaning. The estimated price for the cleaning item should be based on this determination.

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2. The following special note shall be included in the P.S. & E. for each structure unless the field inspection indicates that less than 30% of the steel will require commercial blast cleaning:

"CLEANING STRUCTURAL STEEL ON EXISTING BRIDGES

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It is anticipated that a significant portion of the structural steel in the bridge (s) identified above will require commercial blast cleaning in accordance with Subsection 570-3.02 and Subsection 740-01 of the Standard Specifications. Therefore, bidders should inspect the bridge(s) carefully prior to submitting bids."

3. The Report on Design submitted with the P.S. and E. will include the name of the bridge inspector, the date of the inspection and his estimate of the percent of steel surface area requiring commercial blast cleaning.