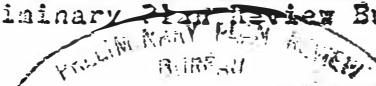
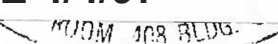
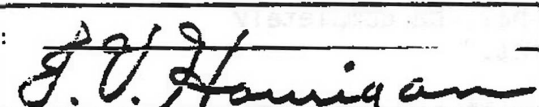


TO: Director, Preliminary Plan Review Bureau 	<h1>ENGINEERING INSTRUCTION</h1> <p>NEW YORK STATE DEPARTMENT OF TRANSPORTATION</p>
SUPERSEDED BY EB 97-020 EFFECTIVE 4/4/97 	SUBJECT: Bridge Design Manual Design Criteria for Bridges Painting New Bridges Subject Code: 7.35-4-7
Distribution: <input checked="" type="checkbox"/> Main Office <input type="checkbox"/> Regions <input type="checkbox"/> Special	Code: <u>EI 82-27</u> Date: <u>4/22/82</u>
APPROVED:  E. V. HOURIGAN, Deputy Chief Engineer, Structures	Supersedes:

The following provides the criteria to be used in determining the extent of painting on new bridges.

I. Rationale

The use of weathering steel for bridge superstructures has led to a Departmental policy to leave such superstructures unpainted unless protection is required because of the bridge environment or painting is required to provide a more aesthetically pleasing color for the superstructure. In most cases, the aesthetic objective can be met by painting only that portion of the steel superstructure most exposed to view, and allowing the rest of the superstructure to remain unpainted.

II. Warrants

Steel superstructures of bridges which must be painted for aesthetic reasons shall have the painting restricted to the outside face of the web and the exposed or outside portion of the top and bottom flange including the bottom of the bottom flange of the fascia girder. It may be necessary to paint the entire superstructure when the bridge is in a park or park-like setting, or in the area with large amounts of pedestrian traffic. The entire superstructure shall be painted when it is fabricated with other than weathering steel, or the bridge environment may prevent the development of the protective oxide coating on the unpainted steel.

III. Details

- Preliminary plans for steel bridges will contain a question to the Regional Office asking whether the bridge should be painted, the extent of the painting and the color desired. The options for the extent of painting are complete painting, or painting only the fascia stringers as described above. The Regional Office determination will be accepted.

Subject: BRIDGE DESIGN MANUAL - DESIGN CRITERIA FOR BRIDGES - PAINTING NEW BRIDGES

One of the following special notes shall be included with the superstructure for all steel bridges.

"The structural steel for this bridge shall not be painted."

or

"The structural steel for this bridge shall be completely painted with _____ color paint."

or "The structural steel for this bridge shall be partially painted with _____ color paint. The following portions of the fascia girder shall be painted: the outside face of the web and the exposed or outside portion of the top and bottom flange including the bottom of the flange."

These notes shall be included in the Superstructure Notes in the Standard Details Manual.