

**SUPERSEDED BY EB 97-020
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ENGINEERING INSTRUCTION

NEW YORK STATE DEPARTMENT OF TRANSPORTATION

SUBJECT: STEEL BRIDGE RAILING

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Distribution:



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Regions




Special

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APPROVED:


Deputy Chief Engineer (Structures)

Supersedes:

The Department has been notified by the Federal Highway Administration that ASTM A-441 Steel, although not listed in the Structural Steel section of the AASHTO Standard Specifications for Highway Bridges, is an acceptable steel for bridge railings.

This information corrects their previous misinterpretation of the intent of the AASHTO Specifications, which led to the deletion of ASTM A-441 Steel from BDD Sheet 78-51.

Accordingly, ASTM A-441 Steel is an acceptable equal to ASTM A-588 Steel in thicknesses of 3/4 inch or less where it is painted or galvanized.

The Department has adopted ASTM A-572 Grade 50 Steel as an equal to ASTM A-588 Steel in thicknesses of 2" or less and where the steel is to be painted or galvanized.

Based on the above-mentioned decisions, the Master Mylar for Steel Bridge Railing - Two Rail (as shown on BDD 78-51), used to make insert sheets for Contract Plans, has been modified. The modifications involve changes in the wording of the notes, as follows:

1. Add "ASTM A-441 and ASTM A-572 Grade 50" to the list of allowable steels for the 3/4" Post Plate.
2. Add "ASTM A-572 Grade 50" to the list of allowable steels for the Base Plates.
3. Add "ASTM A-441 and ASTM A-572 Grade 50" to the list of allowable steels for the Rail Clamps.
4. Add "ASTM A-572 Grade 50" to the list of allowable steels for the Rail Splices.

The Master Mylar for Steel Bridge Railing - Four Rail (as shown on BDD 78-52A), used to make insert sheets for Contract Plans, has also been modified. The modifications involve changes in the wording of the notes, as follows:

1. The first modification is identical to No. 2 and No. 3 listed above for the Two Rail Sheet.
2. Add "ASTM A-588, A-441, and A-572 Grade 50" to the list of allowable steels for the Solid Rail Splices.
3. Add "ASTM A-572 Grade 50" to the list of allowable steels for the 1" Post Plates.

The Designers shall verify that the proper wording appears on the detail sheets and, if not, make the revisions.