

TO: MAIN OFFICE REGIONAL OFFICES SUPERSEDED BY EI 79-041 EFFECTIVE 10/4/1979	<h2 style="text-align: center;">ENGINEERING INSTRUCTION</h2> <p style="text-align: center;">NEW YORK STATE DEPARTMENT OF TRANSPORTATION</p> SUBJECT: RAILING REPLACEMENT OR UPGRADING Subject Code: 7.35
Distribution: <input checked="" type="checkbox"/> Main Office <input checked="" type="checkbox"/> Regions <input type="checkbox"/> Special	Code: <u>EI 76-33</u> Date: <u>May 4, 1976</u> Supersedes: BDD 70-55
APPROVED: <u><i>J. V. Hourigan</i></u>	

On all projects which involve reconstruction of bridges or safety work on bridges, bridge railing shall be retained, replaced or upgraded in accordance with this instruction.

1. All existing aluminum bridge railing, including that conforming to BDD 70-55, shall be replaced with Steel Bridge Railing as shown on BDD 74-51 or BDD 74-52, whether or not slab removal or other work necessitates dislocation of that railing.
2. When structural slab removal or other work necessitates dislocation of existing steel railing:
 - a. Existing steel railing that conforms to current standards (presently shown on BDD 74-51 and BDD 74-52) shall be stored and reset.
 - b. Existing steel railing which does not conform to current standards as indicated in 2. a. shall be replaced with Steel Bridge Railing as shown on BDD 74-51 or BDD 74-52.
3. When dislocation of railing is not necessitated by other work being done on the bridge:
 - a. All steel railing which conforms to current standards shall be retained.
 - b. On bridges carrying Interstate, Expressway or highways having a design speed of 60 mph and a design hour one-way traffic capacity of 300, all steel railing which does not conform to current standards shall be replaced with Steel Bridge Railing as shown on BDD 74-51 and BDD 74-52.
 - c. On bridges carrying traffic other than indicated in 3. b., all steel railing of the types shown on BDD 73-57 shall be upgraded in accordance with the details shown thereon; all railings of types not shown on BDD 73-57 and which do not conform to current standards shall be replaced with Steel Bridge Railing as shown on BDD 74-51 and BDD 74-52.

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Cronaflexes of two and four rail Steel Bridge Railing which conform to BDD 74-51 and BDD 74-52, for use with 6-inch curb and 8-inch and 10-inch curbs, may be obtained from the Supervisor of the Bridge Design Section for insertion in the Contract Plans. Please note that for 6-inch curbs, the bottom rail of the end assembly bends up whereas for the 8-inch and 10-inch curbs, the bottom rail is straight.

It is inevitable that conditions will occur which are not clearly covered by this instruction. In those cases, or whenever there is doubt as to the treatment to use, the matter shall be referred to the Special Design Unit of the Structures Design and Construction Division.

By issuance of this Instruction, BDD 70-55 is rescinded.