

TO: SUPERSEDED BY EI 78-022 EFFECTIVE 4/21/1978		ENGINEERING INSTRUCTION NEW YORK STATE DEPARTMENT OF TRANSPORTATION	
Main Offices Regional Offices		SUBJECT: BRIDGE DESIGN DATA SHEET 77-51R1 "STEEL BRIDGE RAILING-TWO RAIL" Subject Code: 7.35-2	
Distribution:		Code: <u>E.I. 77-46</u>	
<input checked="" type="checkbox"/> Main Office <input checked="" type="checkbox"/> Regions <input type="checkbox"/> Special		Date: <u>10/6/77</u>	
APPROVED: <u><i>J. V. Hourigan</i></u>		Supersedes: BDD 77-51	

Attached is a copy of BDD 77-51R1 "Steel Bridge Railing - Two-Rail".
 This sheet will supersede BDD 77-51.

The basic changes on this sheet are:

1. A new rail configuration ~~which~~ conforms to current AASHTO Specifications with regard to both strength and rail height and spacing. The rail heights are such that the railing can be used with curb heights from 4" to 10" without violating the AASHTO height requirements. Thus, a 2 inch wearing surface could be placed in the future on a bridge with a 6 inch curb, and the rail heights would still satisfy AASHTO requirements.
2. A new anchorage system utilizing three (3) bolts instead of five (5) bolts. This allows the same post to be used for new and replacement installations.

These details shall be used in all projects which have not gone to P. S. & E.

