

**SUPERSEDED BY EI 95-013
EFFECTIVE 3/7/95**

ENGINEERING INSTRUCTION

NEW YORK STATE DEPARTMENT OF TRANSPORTATION

SUBJECT: SPOT WELDING GUIDE RAILING POSTS

Subject Code: 7.27-1-606

Distribution:

Main Office

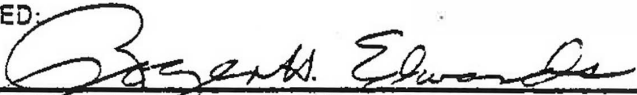
Regions

Special

Code: 83-11

Date: 2/24/83

APPROVED:



R. H. EDWARDS, Deputy Chief Engineer, Fac. Des. Div.

Supersedes:

A New York fabricator/erector of guide railing has proposed an alternate method of attaching the 8"x24" soil resistance plate to the post. The method uses a spot welding procedure in place of the fillet welds indicated in the present standards. Some limited testing has been performed to determine the suitability of the spot welds for posts. Based on these tests it appears that posts with spot welded plates can be driven successfully; therefore, we intend to permit this alternate on a trial basis in contracts to be completed in calendar 1983. It is not to be permitted for median barrier posts, because these posts may be struck from either side.

The attached note and the performance report form will be inserted into selected contract proposals beginning with a convenient letting. It would be appreciated if construction personnel would observe the installation of these posts, complete the report form and forward it to this office.

Please contact the Final Plan Review Bureau if you have any questions.

RHE:PJS:KD



PREL.	FINAL
DESIGN	LANDSCAPE
RECEIVED FACILITIES DESIGN DIVISION	
MAR 11 1983	
REC.	FILE

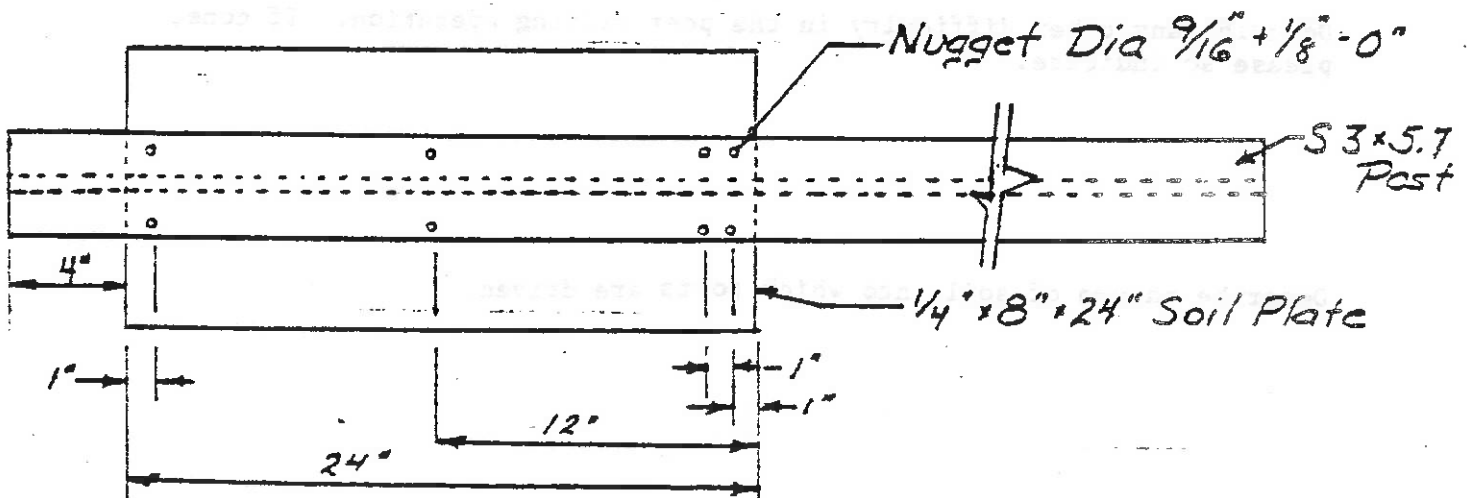
ALTERNATE FABRICATION DETAILS FOR GUIDE RAIL POSTS

Spot welding of guide rail posts is hereby offered as an alternate fabrication procedure on a trial basis in order to assess satisfactory field installation performance as determined by the Department

This spot welding detail may be used as an alternate for the 8"X24" plate to post welds shown on the Department's Standard Sheets for guide rail.

The Contractor is advised that the spot welded posts are to provide equal performance as the conventionally welded posts during installation. Should they fail to do so, they shall be replaced by the Contractor at no cost to the State.

The minimum number, size and location of the welds shall be as indicated below:



2/24/83

PERFORMANCE REPORT FOR SPOT
WELDED GUIDE RAIL POSTS

FROM: _____ EIC

TO: N. Y. State Department of Transportation
1220 Washington Avenue
Albany, N.Y. 12232
ATTENTION: Michael Tegza, Director
Bldg. 5 Rm. 410

When the Contractor supplies spot welded posts, the E.I.C. is requested to complete the information requested herein, after observation of the machine driving operation of the posts, and forward it to the addressee listed above.

CONTRACT NUMBER _____ COUNTY _____

GUIDE RAIL INSTALLER _____ S.H. _____

APPROXIMATE QUANTITY OF GUIDE RAIL POSTS IN CONTRACT _____

APPROXIMATE NUMBER OF POSTS OBSERVED DURING INSTALLATION _____

Observe the top four spot welds after the post is driven to the point that the post plate is about 4" above the ground surface.

Describe any apparent distress to welds, plate and/or post. If none, please so indicate.

Describe any other difficulty in the post driving operation. If none, please so indicate.

Describe nature of soil into which posts are driven.