



FED. HIGHWAY DIST. NO.	STATE	FISCAL YEAR	PROJECT NO.	TOTAL SHEETS
9	NEW MEXICO			

- GENERAL NOTES**
- All materials and workmanship shall conform to N.M.S.H. Commission specifications.
 - P-rails designed in accordance with B.P.R. Circular Memorandum dated Feb. 10, 1965.
 - All rails to be parallel to grade. All rail posts to be set vertical.
 - See Superstructure Details for post spacing, roadway grade and crown or super-elevation.
 - Design in accordance with A.A.S.H.O. Interim Specification 1 (64).
 - A metal bridge railing and gutter channel of an alternate design in either steel or aluminum may be substituted for any of the railing types shown on this sheet provided the alternate design is approved by the engineer before fabrication.
 - Metal bridge railing will be paid for at the unit price bid per foot. Bid price shall include all rails, posts, splices, shoes, gutter channel, roofing felt, plates, bolts, nuts and washers necessary for the installation of the rail and gutter.
 - Type A Rail is for roadway installations. Type B Rail and Type C Rail are for sidewalk installations.
 - High Strength bolts, nuts and washers shall conform to the requirements of AASHTO designation M-164.
 - Steel rail tubes shall conform to the requirements of A.S.T.M. designation A500 or A501.
 - Post spacing shown on the plans is based on the use of 5x3 or conforming to the requirements of A.S.T.M. Designation A500 Grade B. If the contractor elects to use tubes of another grade or designation, the post spacing shown on the plans will be revised by the bridge design section.
 - Longitudinal rail members may be shop welded to obtain fabricated length extending over a minimum of four posts or railing may be fabricated and shipped in shorter lengths provided it is field welded into continuous lengths extending over a minimum of four posts. Field welding may be substituted for cold detail shown at any point except expansion joints. All shop and field welds in longitudinal members must be correctly aligned. Welding shall be done with any of the following electrodes: A.S.T.M. A505 classification - E6000, E6001, E6002, E7015, E7016, E7015 or E7016.

REVISIONS OR CHANGE NOTICES			
NO.	DESCRIPTION	DATE	BY
1	ADD Rev. Note 12. Weld Detail	5-25-68	SM
2	Added post spacing table and Notes 10 & 11	5-25-68	SM
3	Added type & size dimension designation, A500 grade B	6-11-68	SM

NEW MEXICO
STATE HIGHWAY DEPARTMENT
STANDARD DETAILS FOR
STEEL BRIDGE RAILING
SERIAL BR-1-64

Designed by CAC, B.S.M. Checked by J.W.M. Duplicated by J.W.M.

APPROVED: *[Signature]*
FINAL