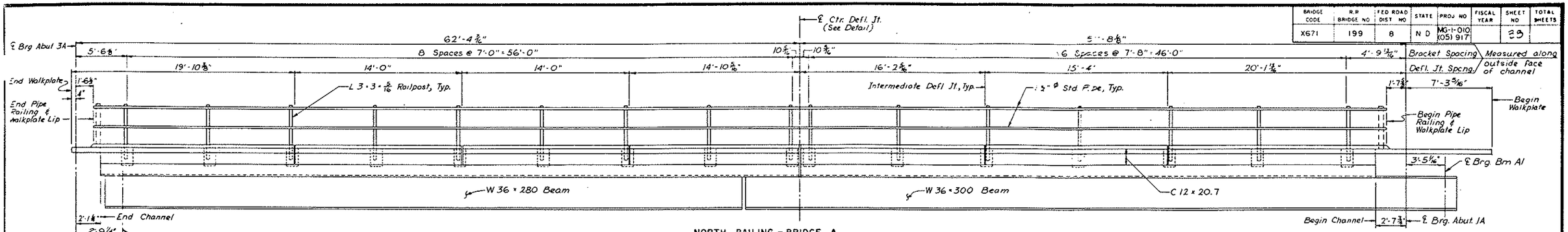
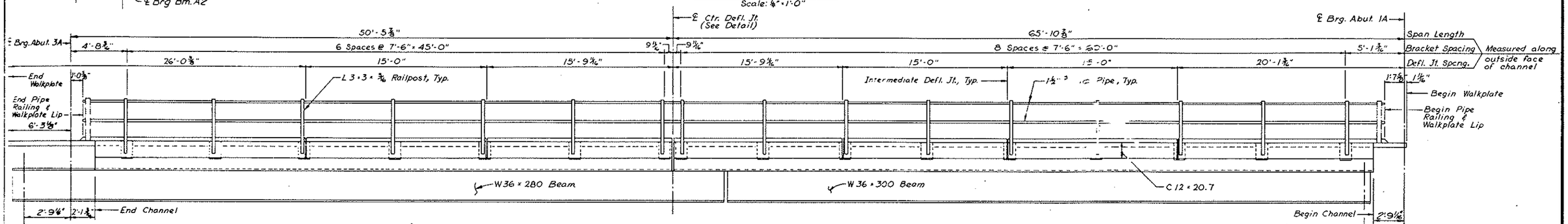
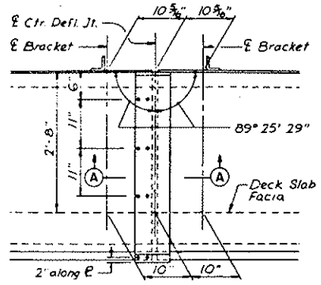
BRIDGE CODE	R.R. BRIDGE NO.	FED ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
X671	199	8	N D	MG-1-010 (05) 917		29	



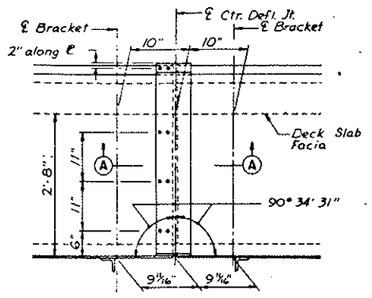
NORTH RAILING – BRIDGE A
Scale: 1/4" = 1'-0"



SOUTH RAILING – BRIDGE A
Scale: 1/4" = 1'-0"

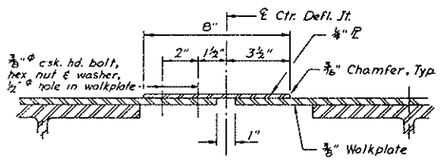


NORTH RAILING

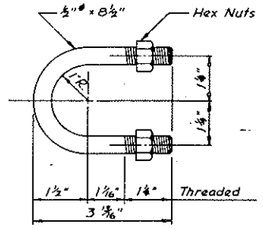


SOUTH RAILING

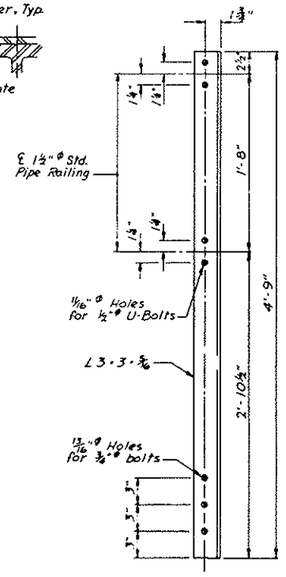
CENTER DEFLECTION JOINT
Scale: 3/4" = 1'-0"



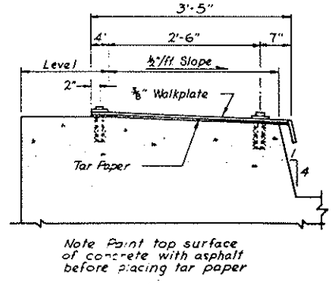
SECTION A-A
Scale: 3" = 1'-0"



U-BOLT DETAIL
Half Scale

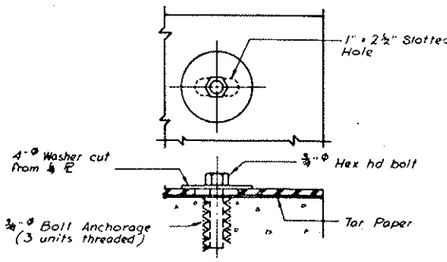


DECK RAILPOST DETAIL
Scale: 1 1/2" = 1'-0"

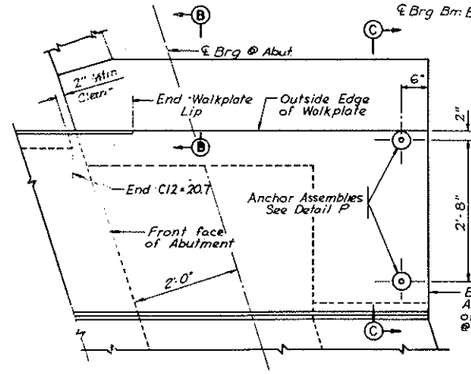


Note: Paint top surface of concrete with asphalt before placing tar paper

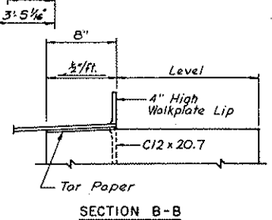
SECTION C-C
Scale: 3/4" = 1'-0"



DETAIL P
Scale: 3/4" = 1'-0"



WALKPLATE DETAIL AT ABUTMENTS
Scale: 3/4" = 1'-0"



SECTION B-B
Scale: 3/4" = 1'-0"

Note:
The Contractor shall verify the dimensions to the ends of pipe railing and walkplate at abutments prior to fabrication of walkplate and railing. See sheet 16 for bracket details.
Bolts and nuts shall meet the requirements of ASTM A307.
All structural steel items shown on this sheet and on sheet 16 shall be galvanized in accordance with ASTM A123.
The top surface of the walkplate shall be painted with a non-skid epoxy coating after final assembly. See Special Provisions.
All steel for structural items shown on this sheet and on sheet 16 including standard pipe railing to be included in weight and paid for as Structural Carbon Steel (Weldable A-36).
Except for 2" opening in pipe railing at center deflection joint, pipe shall be continuous between ends of bridge. Ends of pipe railing at center deflection joint to be capped with ASA standard pipe caps and pipe connectors to be made with ASA standard couplings.
See sheet 32 for railing corner post details at abutments.

QUANTITIES	
Structural Carbon	
Steel (A36)	27,444 lbs

WALKPLATE AND RAILING DETAILS
BRIDGE A
BURLINGTON NORTHERN, INC.
RAILWAY UNDERPASSES

U.S. HIGHWAY NO. 10
MORTON COUNTY

10-916.95-15