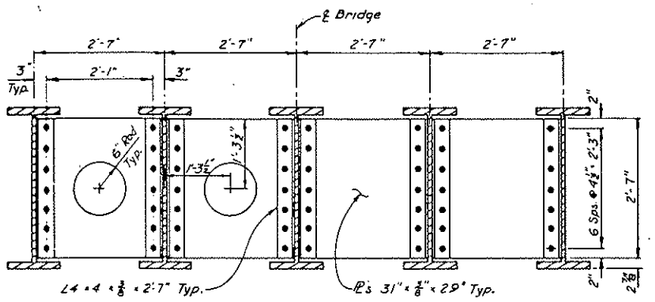
BRIDGE CODE	R.R BRIDGE NO.	FED ROAD DIST NO.	STATE	PROJ NO	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
X671	199	8	N D	MS-1-010 (05) 917		30	

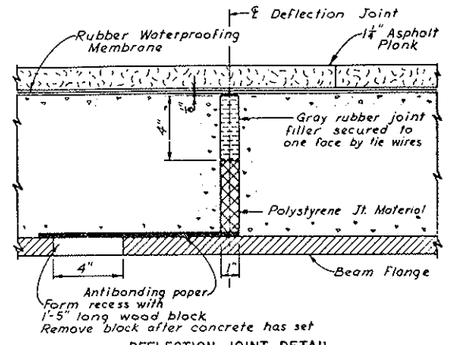
*Note: Only diaphragm plates at end of span to have 12"ø holes thru. Bottom of beam elevations at right angles to track to be equal.



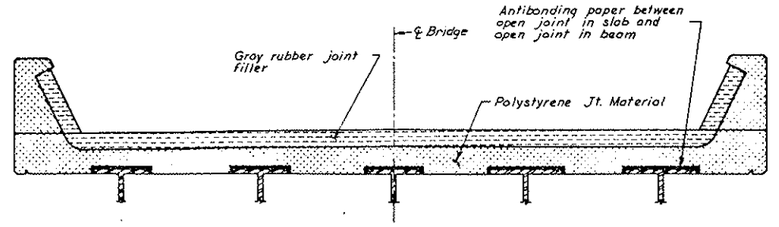
END DIAPHRAGM

INTERMEDIATE DIAPHRAGM

TYPICAL DIAPHRAGM DETAIL
Scale: ¾" = 1'-0"

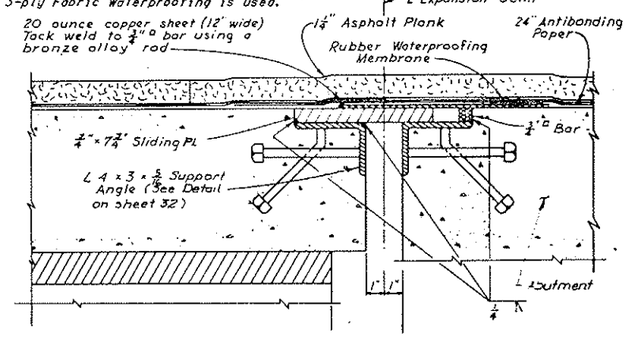


DEFLECTION JOINT DETAIL
Scale: 3" = 1'-0"

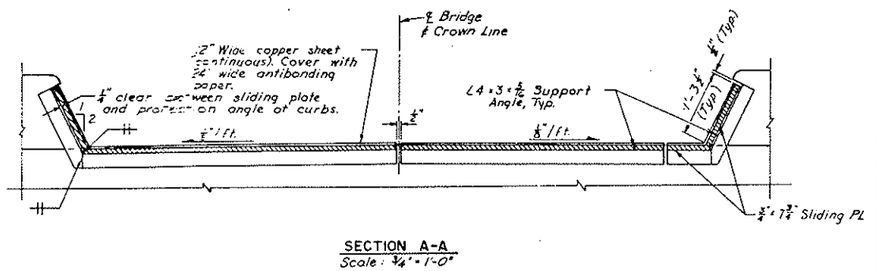


SECTION THRU ℄ OF DEFLECTION JOINT
Scale: ¾" = 1'-0"

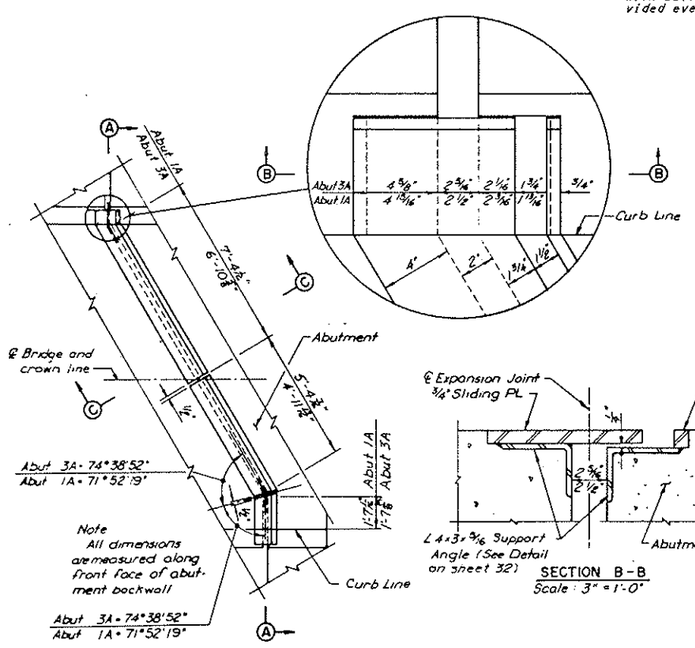
Note:
Cover top of copper sheet with 24" wide rubber membrane and attach to the span side of the copper with suitable adhesive. Rubber membrane to be provided even if 3-ply Fabric Waterproofing is used.



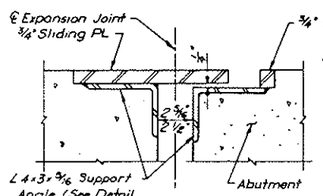
SECTION C-C
Scale: 3" = 1'-0"



SECTION A-A
Scale: ¾" = 1'-0"



EXPANSION JOINT DETAIL AT ABUTMENT
Scale ⅜" = 1'-0"



Note:
Details not shown are similar to Section C-C

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

℄ of Bridge	Slab Facias
1651.07	1651.00
1651.12	1651.05
1651.16	1651.09
1651.20	1651.13
1651.25	1651.18
1651.29	1651.22
1651.33	1651.26
1651.37	1651.30
1651.42	1651.35
1651.46	1651.39
1651.50	1651.43
1651.54	1651.47
1651.59	1651.52
1651.63	1651.56
1651.67	1651.60
1651.71	1651.64
1651.75	1651.68
1651.79	1651.72
1651.83	1651.76
1651.87	1651.80
1651.92	1651.85

Measured along ℄ of Bridge
10 Eq Spa @ 8'-9¾"
10 Eq Spa 56'-5⅛"
℄ Brg Abut 1A
℄ Pier 2A
℄ Brg Abut 3A

SCREED ELEVATIONS

Note: Elevations shown for ℄ of bridge are at top of concrete. Elevations shown for slab facias are at top of construction joint.

Notes:
Expansion joint steel and copper sheet is incl... in weight of and paid for as structural steel (.436).
The deck surface shall be given a wood float finish.
Galvanize expansion joint steel in accordance with ASTM A123 after fabrication.
In lieu of using Rubber Waterproofing Membrane, the contractor shall have the option of using Three-Ply Fabric Waterproofing as specified under Standard Spec. No. 736-3.5 except when noted.
Antibonding paper shall be 15# rag felt building paper. Cost of antibonding paper to be considered incidental and included in price bid for One Ply Membrane Waterproofing.
Cost of polystyrene joint filler and gray rubber joint filler shall be consider incidental and included in price bid for Class AE-1 Modified Concrete.

QUANTITIES

DIAPHRAGMS, JOINTS AND SCREED ELEVATIONS
BRIDGE A
BURLINGTON NORTHERN, INC.
RAILWAY UNDERPASSES

U.S. HIGHWAY NO. 10
MORTON COUNTY

10-916.95-13