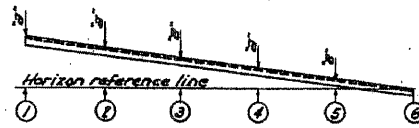


PLAN-EXPANSION GUARD
AT ABUTMENTS.



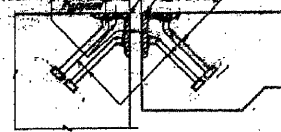
DIMENSIONS

	1	2	3	4	5	6
W.END	1'-7 1/2"	1'-0 1/2"	9 1/2"	6 1/2"	3 1/2"	0
E.END	1'-6"	1'-7 1/2"	11"	7 1/4"	3 1/2"	0
W.END	1'-7 1/2"	1'-8 1/4"	11 1/2"	8 1/8"	3 1/2"	0
E.END	1'-6"	1'-8 1/2"	10 1/4"	7 1/4"	3 1/2"	0

PROFILE-EXPANSION GUARD

7/8" holes 8" c/c for bolts. Bolts shall be turned off or clipped with washers and nuts. Note on formal page 11th.

1/2" dia. x 10" STL. Bolts shall be turned off and welded on at 1'-0" c/c.



Sec. A-A

STATION 215+00
BUILT BY
STATE OF ILLINOIS
S.B.I. RT. 5 SEC. 43-B
F.R. PROJECT F-240(3)
LOADING H20-516
Eastbound

STATION 214+35
BUILT BY
STATE OF ILLINOIS
S.B.I. RT. 5 SEC. 43-B
F.R. PROJECT F-240(3)
LOADING H20-516
Westbound

NAME PLATES
See Std. 2113

GENERAL NOTES
Coarse aggregate to be used in end posts must be absolutely free of chert, flint, limestones, lignites and soft sandstone.

Class A Concrete shall be used in piers.
The concrete floor slab shall be finished in accordance with Article 51.19 of the Standard Specifications.
Slope walls shall be reinforced with welded wire fabric 6x6 mesh, #4 wires weighing 50# per 100 sq. ft.
Layout of slope walls may be varied to suit ground conditions in the field as directed by the Engineer.
Rivets 3/8". Open holes 1/2" unless noted.
All rockers, bearing plates, lead plates, pintles and anchor bolts shall be fabricated and set in accordance with Article 51.15 of the Standard Specifications and are included in quantity of Structural Steel.
Anchor bolts shall be set before riveting diaphragms over supports.
Expansion guards are included in quantity of Structural Steel.
The exposed surface of the expansion guard shall be given two shop coats of red lead paint and one field coat of aluminum paint. See Articles 36.1 to 36.5 inclusive of the Standard Specifications.
Except as otherwise provided all Structural Steel shall receive one shop coat of red lead paint and two field coats of aluminum paint. See Articles 36.1 to 36.5 inclusive of the Standard Specifications.
The Contractor shall drive 2 concrete and two timber test piles: one concrete test pile in the North-East abutment and one in the South-West abutment, one timber test pile in the pier and one in the pier 2, as directed by the Engineer, before ordering remainder of piles. Test piles shall be driven in permanent locations.
Permanent forms will not be permitted in forming the concrete floor.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER.	±SUB.	TOTAL	
Concrete	Cu. Yds.	2970	211.6	508.6	
Structural Steel	Lbs.		429.0	429.0	
Reinforcement Bars	Lbs.	56,760	27,400	84,160	
Structural Steel	Lbs.	194,150		194,150	193,346
Metal Fastenings	Lin. Ft.	508		508	
Lead Plates	Sq. Ft.	2	4433	2	
Concrete Piles	Lin. Ft.		2632	2632	4433
Concrete Piles	Lin. Ft.	4117	2632	2632	4117
Test Piles (Timber)	Sq. Ft.		2	2	
Change Excavation	Cu. Yds.			10,577	11,290
Slope Wall	Sq. Yds.			2140	2084
Protective Coat	Sq. Yds.	1062		1062	
Class B Excav for Structures	Cu. Yds.			430	
Crossed Piles	Lin. Ft.			400	

DESIGNED V.R. SANTI
CHECKED C.W. SLICK
DRAWN VRS
CHECKED C.W.S.
EXAMINED H.G. BAUMANN
PASSED
APPROVED V.E. PLUFF

S.B.I. RT. 5 SEC. 43-B
JO DAVIESS COUNTY
STA. 214+35 (W.B.)
STA. 215+00 (E.B.)