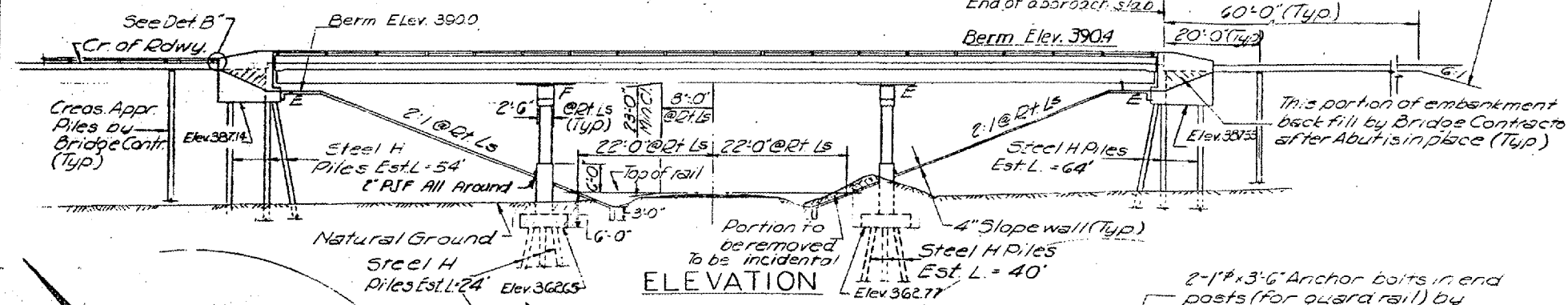


SECTION	NO.	TOTAL SHEETS	SHEET NO.
MASSAC	73	22	11 SHEETS

STATE OF ILLINOIS  
 DEPARTMENT OF PUBLIC WORKS & BUILDINGS  
 DIVISION OF HIGHWAYS

B.M. #3GA - "X" in top concrete whistle post  
 110' Lt. W.B. lane Sta. 1327+50 Elev. 370.25

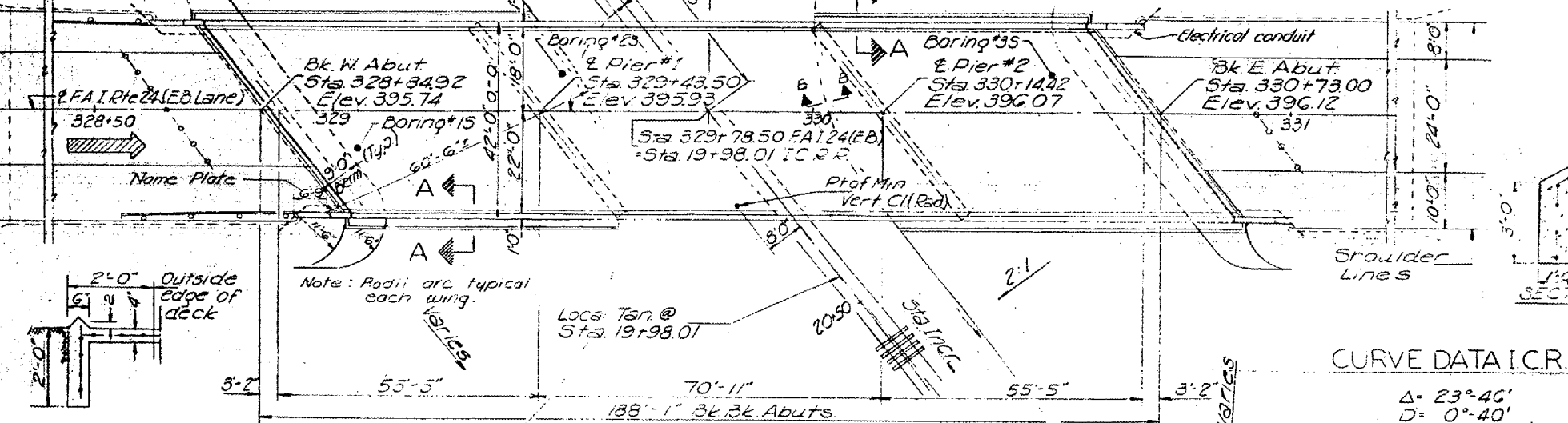
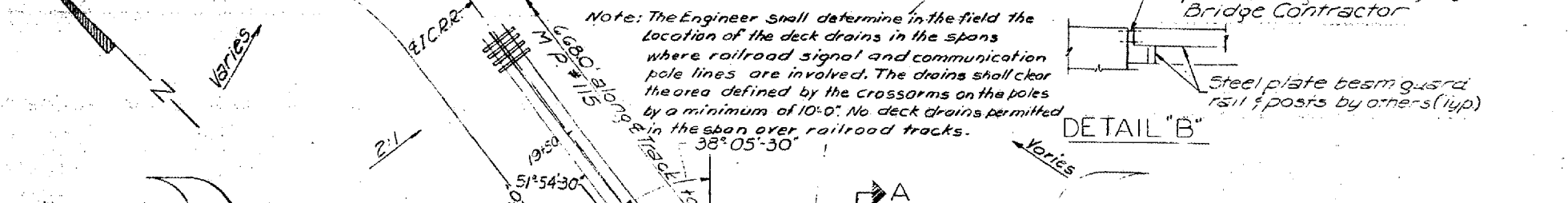
APPROACH PILE DATA  
 TYPE: Creosoted (20' to 33.0')  
 Est. Length: 23'-4" West: 26' East  
 No. Piles: 14



IC.R.R.  
 BUILT 197 BY  
 STATE OF ILLINOIS  
 FAI Rt 24 ~ SEC. 64-2VB  
 FA PROJ. IG-24-1(19.)  
 LOADING HS20 & ALT.

NAME PLATE  
 See Std 2113

**GENERAL NOTES**  
 All reinforcement bars shall be topped 24 diameters unless otherwise shown.  
 Fasteners shall be high strength bolts. Bolts 3/4"; open holes 1/4", unless otherwise noted.  
 Calculated weight of Structural Steel = 188,220 Lbs.  
 The Basic Lead Silica Chromate paint system shall be used for shop and field painting of structural steel.  
 Field welding of construction accessories will not be permitted to the bottom flange of beams or girders nor to the top flange for a distance equal to one-fourth the span length each way from the pier supports. Field welding in other areas will be permitted only when approved by the Engineer.  
 Anchor bolts shall be set before bolting diaphragms over supports.  
 Slope wall shall be reinforced with welded wire fabric 6" x 6" mesh, weighing 58# per 100 sq. ft.  
 The concrete rail section above the mandatory construction joint at the top of the slab shall be constructed of Class X Concrete, except the aggregates shall conform to the requirements of Handral Concrete.  
 The embankment configuration shown shall be the minimum embankment that must be constructed prior to construction of the abutments.  
 The Contractor shall drive 2 Steel H test piles in permanent locations, one of Pier 1 and one of the East Abutment, as directed by the Engineer before ordering the remainder of piles.  
 Steel H Piles shall be driven to refusal.



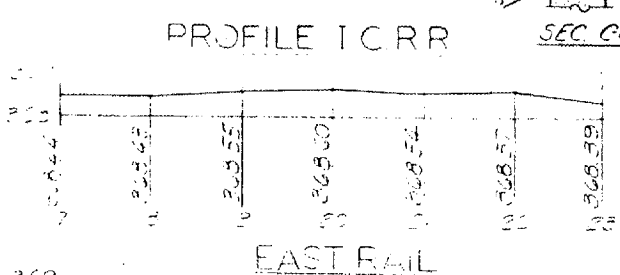
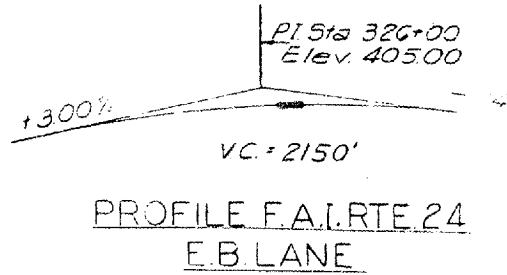
CURVE DATA I.C.R.R.  
 $\Delta = 23^\circ 46'$   
 $D = 0^\circ 40'$   
 $R = 8594.42'$   
 $L = 3565.00'$

**BILL OF MATERIAL E.B.L. STRUCTURE**

Item	Unit	Super	Sub	Total
* Class A Excavation for Structures	Cu Yds	—	—	233
Class X Concrete	Cu Yds	225.9	273.7	504.6
Structural Steel	L.S.	1/2	—	1/2
Aluminum Fencing	Lin Ft	368	—	368
Reinforcement Bars	Lbs.	66,970	28,950	95,920
Steel Piles (BBP36)	Lin Ft	—	2586	2586
Test Piles Steel (BBP36)	Each	—	2	2
Name Plate	Each	—	—	1
Slope wall "4"	Sq Yds	—	—	770
Protective Coat	Sq Yds	970	—	970
** Bridge Seat Sealant	—	—	—	1
Creosoted Piles (20' to 33.0')	Lin Ft	—	—	343

\* Class A Excavation includes excavation for slope walls.  
 \*\* 25% to be credited at each abutment.  
 \*\*\* See sheet #36 for Bill of Material W.B.L. Structure

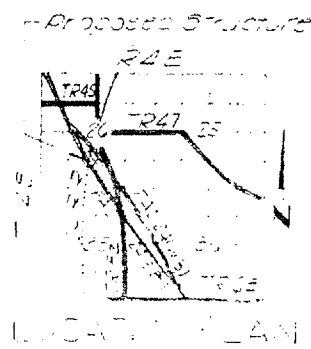
SEC. A-A



DESIGNED: Sam E. Malinin  
 CHECKED: J. L. H. Jr.  
 DRAWN: E.M. SMH  
 CHECKED:

SEPT 30 1968  
 EXAMINED: G. S. ...  
 PASSED:  
 APPROVED:

DESIGN STRESSES



GENERAL PLAN ELEVATION  
 FAI RTE 24 (E.B.L.) OVER I.C.R.R.  
 PROJECT IG-24-1(19) 22

FOR INFORMATION ONLY:  
 BRIDGE NO. 4 STRUCTURE 064-0021