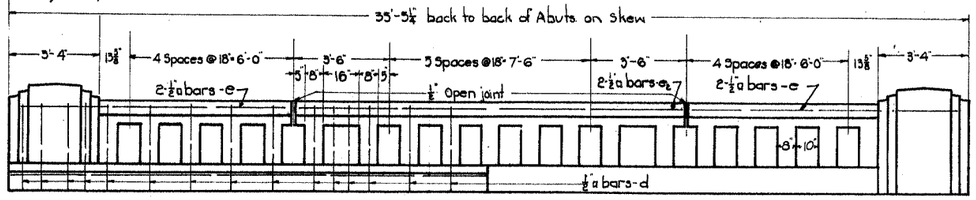
CONTRACT NO. 64417
Sheet 49 of 61

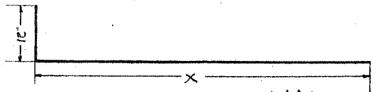
B.M. #25 - Double-headed Nail in Root of 45" Willow 21' left of Sta. 309+31, Elevation 804.45'
Existing Structure - steel channels & I-beams with Concrete Floor - 33'-0" span - 16' Rdy & Concrete Abutments - to be removed by Bridge Contractor.

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

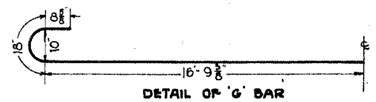
BOND ISSUE ROUTE No.	SEC.	COUNTY	TOTAL SHEETS	SHEET No.	SHEET NO. 1
—	123-B	091 C	70	67	3 SHEETS
FED. ROAD DIST. No. 7	ILLINOIS	FED. AID PROJECT BR-2			



HALF INSIDE ELEVATION
ELEVATION OF RAIL
HALF OUTSIDE ELEVATION



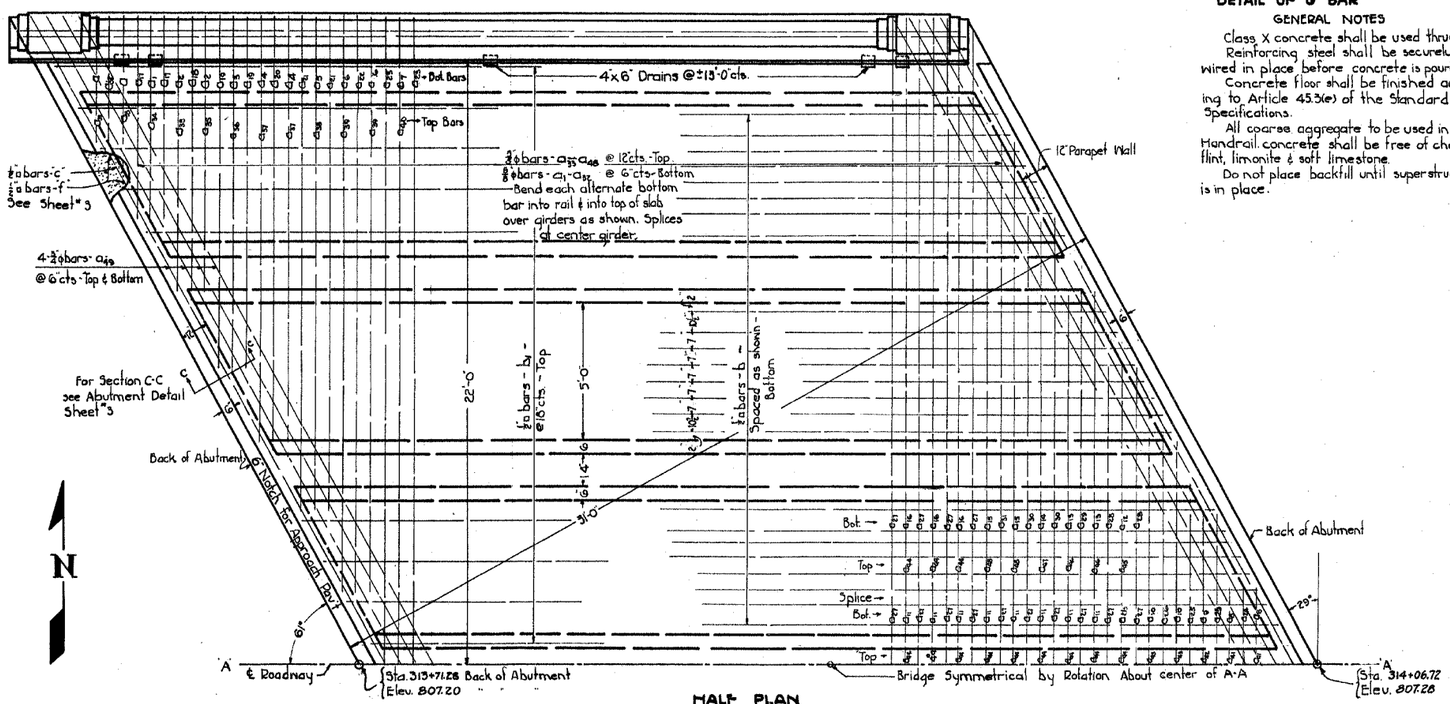
DETAIL OF BAR a_1, a_{11} & a_{16}



DETAIL OF 'G' BAR

GENERAL NOTES

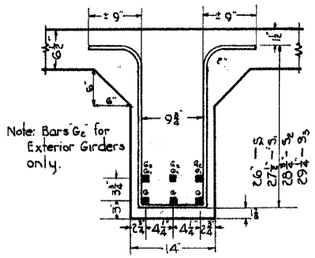
Class X concrete shall be used thruout.
Reinforcing steel shall be securely wired in place before concrete is poured.
Concrete floor shall be finished according to Article 45.3(e) of the Standard Specifications.
All coarse aggregate to be used in Handrail concrete shall be free of chert, flint, limonite & soft limestone.
Do not place backfill until superstructure is in place.



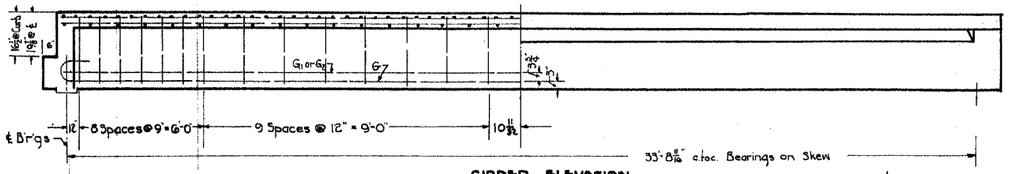
HALF PLAN

BILL OF MATERIALS - SUPERSTRUCTURE

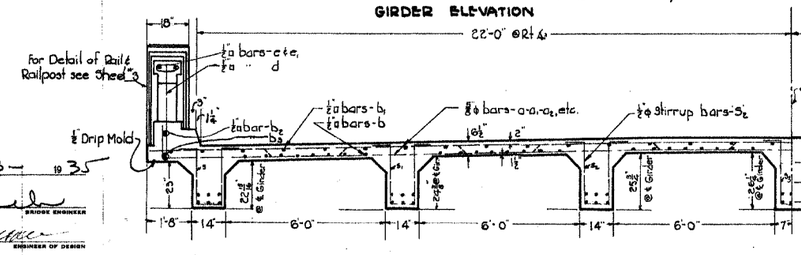
BAR	No.	SIZE	LENGTH	BAR	No.	SIZE	LENGTH
a	4	⅝"ø	4'-9"	a_{44}	4	⅝"ø	14'-0"
a_1	2	"	7'-6"	a_{47}	2	"	16'-9"
a_2	4	"	10'-3"	a_{48}	4	"	19'-6"
a_3	2	"	13'-0"	a_{49}	32	⅝"ø	28'-0"
a_4	4	"	15'-9"				
a_5	2	"	18'-6"				
a_6	4	"	21'-3"				
a_7	2	"	24'-0"				
a_8	4	"	26'-9"				
a_9	2	"	29'-6"				
a_{10}	4	"	32'-3"				
a_{11}	21	"	27'-0"				
a_{12}	2	"	9'-9"				
a_{13}	4	"	12'-9"				
a_{14}	2	"	15'-6"				
a_{15}	4	"	18'-3"				
a_{16}	9	"	23'-6"				
a_{17}	4	"	6'-9"				
a_{18}	2	"	9'-9"				
a_{19}	4	"	12'-6"				
a_{20}	2	"	15'-3"				
a_{21}	4	"	18'-0"				
a_{22}	2	"	21'-0"				
a_{23}	4	"	23'-9"	b	48	½"□	34'-0"
a_{24}	2	"	26'-6"	b_1	30	"	34'-0"
a_{25}	4	"	29'-6"	b_2	2	"	34'-0"
a_{26}	2	"	32'-3"	b_3	2	"	34'-0"
a_{27}	30	"	26'-3"				
a_{28}	4	"	12'-9"	c	12	½"□	28'-0"
a_{29}	2	"	15'-9"				
a_{30}	4	"	18'-6"	d	64	½"□	3'-0"
a_{31}	2	"	21'-6"				
a_{32}	2	"	4'-0"	e	8	½"□	10'-0"
a_{33}	4	"	4'-0"	e_1	4	"	14'-0"
a_{34}	2	"	6'-9"				
a_{35}	4	"	9'-6"	f	84	½"□	3'-0"
a_{36}	2	"	12'-3"				
a_{37}	4	"	15'-0"	G	21	1¼"□	38'-0"
a_{38}	2	"	17'-9"	G_1	15	"	35'-0"
a_{39}	4	"	20'-6"	G_2	6	1⅜"□	35'-0"
a_{40}	2	"	23'-3"				
a_{41}	4	"	26'-0"	S	74	⅝"ø	6'-9"
a_{42}	2	"	28'-9"	S_1	74	"	7'-0"
a_{43}	4	"	31'-3"	S_2	74	"	7'-3"
a_{44}	28	"	25'-0"	S_3	37	"	7'-3"
a_{45}	2	"	11'-3"				
Handrail Concrete				Cu.Yds.			4.0
Class X Concrete				Cu.Yds.			64.5
Reinforcing Steel				Lbs.			18480
C.I. Drains				Ea.			10
Removal of Existing Structure							1



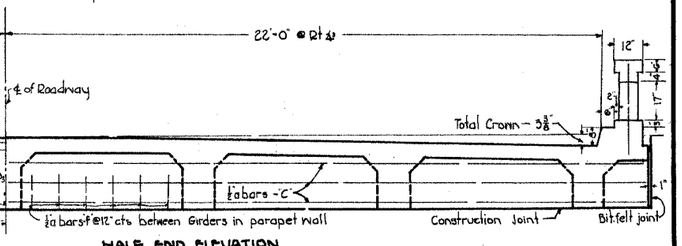
DETAIL OF GIRDER



GIRDER ELEVATION



HALF CROSS SECTION



HALF END ELEVATION

STANDARD	COMPUTED	J.P. Jorgensen & S.G.M.
	CHECKED	S.G. Martin
	DRAWN	J.P. Jorgensen Jr.
	CHECKED	S.G.M.
SPECIAL	ASSEMBLED	
	CHECKED	

EXAMINED 11-13- 1935
BRIDGE ENGINEER
PASSED
ENGINEER OF DESIGN
APPROVED
CHIEF HIGHWAY ENGINEER

[redacted] SECTION 123-B
OGLE COUNTY
STATION 313+89

EXISTING STRUCTURE PLANS