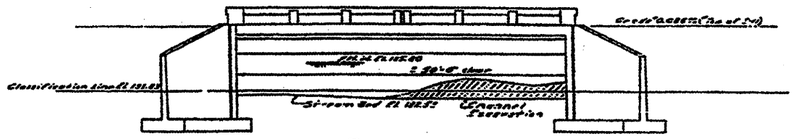
CONTRACT NO. 68573

FAS RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
253	68(BR,BR-1)	MARSHALL	97	53
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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

E.H. : Top of S.W. Wing Wall
Elevation 131.00

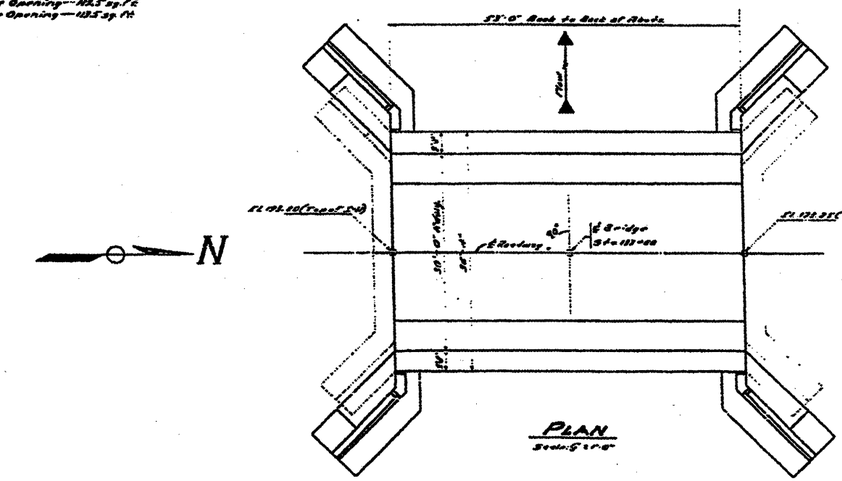
Existing Structure. RC Box Girder
1 Span @ 30' 31.0' Roadway
RC Rails - To be widened
Handrail and other concrete to be
removed as shown on plans.



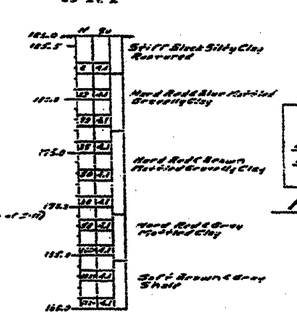
ELEVATION
Scale: 1" = 10'

WATERWAY INFORMATION

Drainage Area ..... 11,000 Acres
Character ..... Loess, Clay, Cultivated
Present Bridge Opening — 102.5 sq. ft.
Proposed Bridge Opening — 113.5 sq. ft.



PLAN
Scale: 1" = 5'-0"



STATION 133+80
BUILT 1925 - BY
STATE OF ILLINOIS
S.B.I. RT. 2 SEC. 68 (BR)
MARSHALL CO. ILL.
LOADING H-20

NAME & DATA
See Standard 318

Note:
11" Slump on 6 sk. Concrete Type of Retaining Walls, Abutments and Slope Protection
Design:
f'c = Unconfined compressive strength of Concrete see Sh. 96

STRESSES
fs = 18000 p.s.i. Bending
fc = 1400 p.s.i. Shear
fv = 100 p.s.i. Bond
n = 10
Loading H 20-44

GENERAL NOTES

Class A Concrete shall be used throughout except as noted. Standard Concrete shall be used in rails and posts.
The Concrete Girder and Floor Slab shall be poured in one continuous operation between joints on either side of end bearing diaphragms except as noted. Forms shall be poured after falsework has been removed.
The Floor Slab shall be finished in accordance with the applicable provisions of Sec. 424 of the Standard Specifications.
The Handrail shall not be poured until after the falsework has been removed.
The contract unit price for Separation Fabric shall include Furnishing, drilling holes, and placing Expansion Bolts.
The back of proposed wing walls and wing walls, at end of existing structure, shall be backfilled with Granular Material, Class A.
Backfilling behind abutments shall be in accordance with Art. 502.10 of the Standard Specifications.
No piles under the existing structure.
Contractor shall excavate channel as shown between limits of right of way.

TOTAL BILL OF MATERIAL

ITEM		SUPER	SUB	TOTAL
Class X Concrete	Cu. Yds.	352	328	680
Handrail Concrete	Cu. Yds.	22		22
Reinforcement Bars	Lbs.	31240	30170	141410
Masonry Removed	Cu. Yds.	280	48	328
Expansion Bolts	Ea.	32	32	64
Name Plates	Ea.			1
Class "B" Paint for Structural Cu. Yds.				516
Class "B" Paint for Structural Cu. Yds.				3320
Bit. Conc. Surf. Co. 3 & Class 2M Thin				8
Sta. Materials (Prism Glass) Sets				1
Channel Excavation	Cu. Yds.			350

DESIGNED	F. M. Abbott	DRAWN	W. H. Sommers
CHECKED	W. H. Sommers	TRACED	C. Mattey
DRAWN	F. M. Abbott, C. Mattey	APPROVED	F. M. Baker
CHECKED	[illegible]		

July 23 1933

GENERAL PLAN & ELEVATION
S.B.I. RT. 2 SECTION 68 BY
MARSHALL COUNTY
STATION 133+80

FOR INFORMATION ONLY

EXISTING BRIDGE PLANS