

FOR INFORMATION ONLY

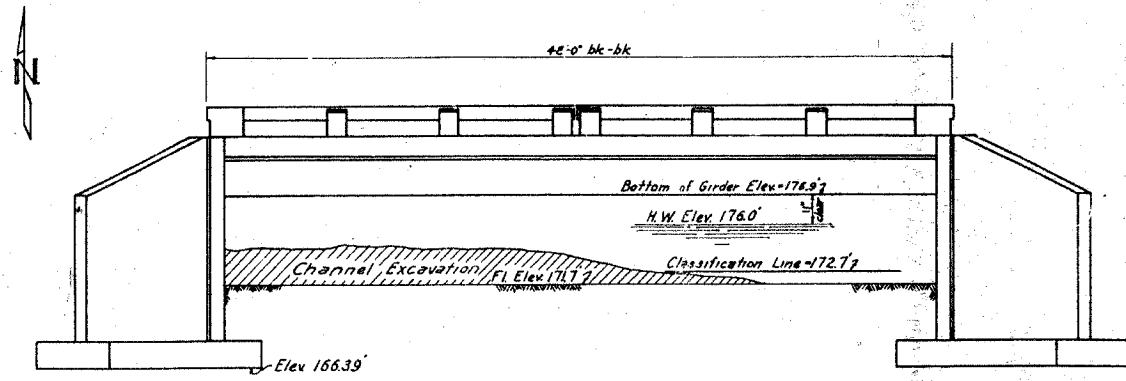
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

DATE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1197	105 BY	Whiteside	9	6
SHEET NO. 1 3 SHEETS				

B.M. "a" Top of N.W. Wing of Bridge
Elev. 180.39 = 618.3' U.S.G.S. datum
Existing Bridge: R.C. Deck Girder; Span
@ 45' on R.C. Closed Abut 22' Rdwy.
Built 1929
Remove portions of Super and
Sub as indicated

WATERWAY INFORMATION

Drainage Area 6000 Acres
Character level, sand, clay, wooded, & cultivated
Required Opening 188 Sq. Ft.
Present Opening 135 Sq. Ft.
Proposed Opening 194 Sq. Ft.



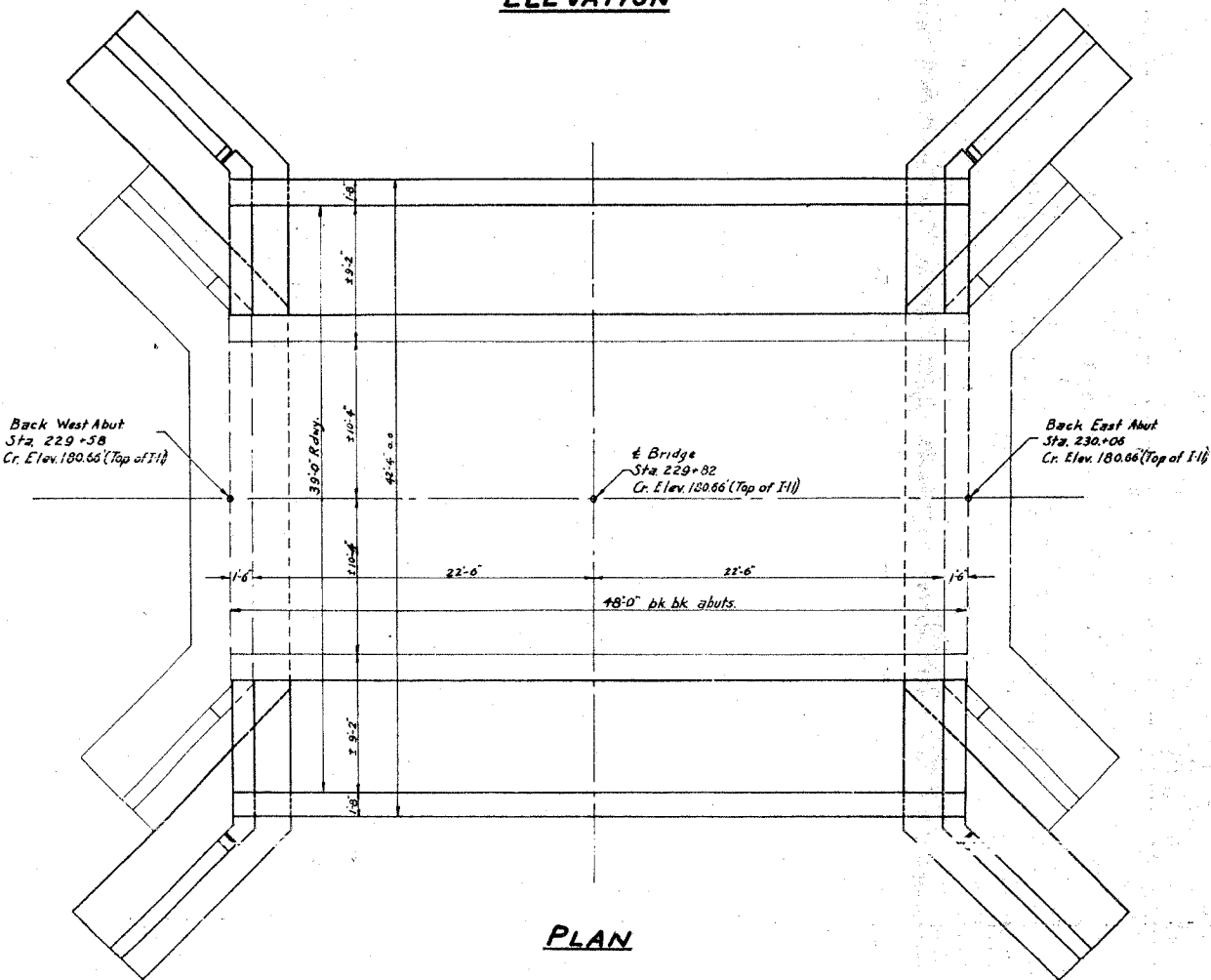
ELEVATION

GENERAL NOTES

Class "X" concrete shall be used throughout except in handrails. Handrail concrete shall be used in handrails.
The concrete girder and floor slabs shall be poured in one continuous operation between joints on either side of the existing structures except for part shown to be poured after falsework has been removed, and the floor slab shall be finished in accordance with Section 29 of the Standard Specifications.
The handrail shall not be poured until after the falsework has been removed.
The following surfaces of the bridge shall be waterproofed: Back of abutments and wingwalls, from top of wall or slab to top of footing. Waterproofing shall be done in accordance with article 51.20 of the Standard Specifications.
The contract unit price for expansion bolts shall include furnishing, drilling holes, and setting expansion bolts.

STATION 229+82
BUILT 195 BY
STATE OF ILLINOIS
S.B.I. RT 86 SEC. 105 BY
LOADING H20

Name Plate
See Std. 2113



PLAN

TOTAL BILL OF MATERIAL

	Super	Sub	Total
Class "X" Concrete	Cu. Yds. 48.7	71.4	120.1
Handrail Concrete	Cu. Yds. 2.5		2.5
Reinforcement Bars	Lbs. 12420	3950	16370
Masonry Removal	Cu. Yds. 16.0	2.0	18.0
Name Plates	Each		One
Expansion Bolts	Each	8	36
Untreated Timber Piles	Lin. Ft.		780
Test Pile (Timber)	Each		One
Channel Excavation	Cu. Yds.		220
Class "A" Exc. For Structures	Cu. Yds.		180
Class "B" Exc. For Structures	Cu. Yds.		230
Structural Steel	Lbs.	1620	1620

DESIGN STRESSES

$f_c = 1400 \text{ psi}$ Super
 $f_c = 800 \text{ psi}$ Sub
 $f_s = 20000 \text{ psi}$ Reinf
 $f_s = 18000 \text{ psi}$ Struct.
 $n = 10$

DESIGNED: Edward M. Englek
CHECKED: George P. ...
DRAWN: E.M.F. R. Rash
CHECKED: ...
EXAMINED: W.M. ...
APPROVED: R.K. ...
MAR 4 1955

GENERAL PLAN & ELEVATION
S.B.I. RT. 86 SEC. 105-BY
WHITESIDE COUNTY
STA. 229+82

Loading H20