

FOR INFORMATION ONLY

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

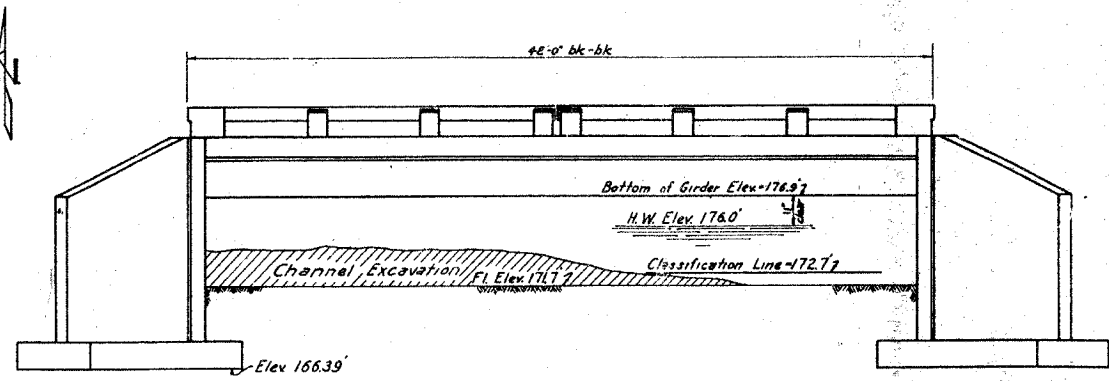
| | | | | |
|---------------|---------|-------------|--------------|-----------|
| DATE | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 10.1.56 | 105 BY | Whiteside | 9 | 6 |
| S.B.I. RT. 86 | | SEC. 105-BY | | |
| F.S. | | WHITESIDE | | |

SHEET NO. 1
3 SHEETS

B.M. "o" Top of N.W. Wing of Bridge
Elev. 180.39 - 618.31 U.S.G.S. datum
Existing Bridge: R.C. Deck Girders: 1 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. |



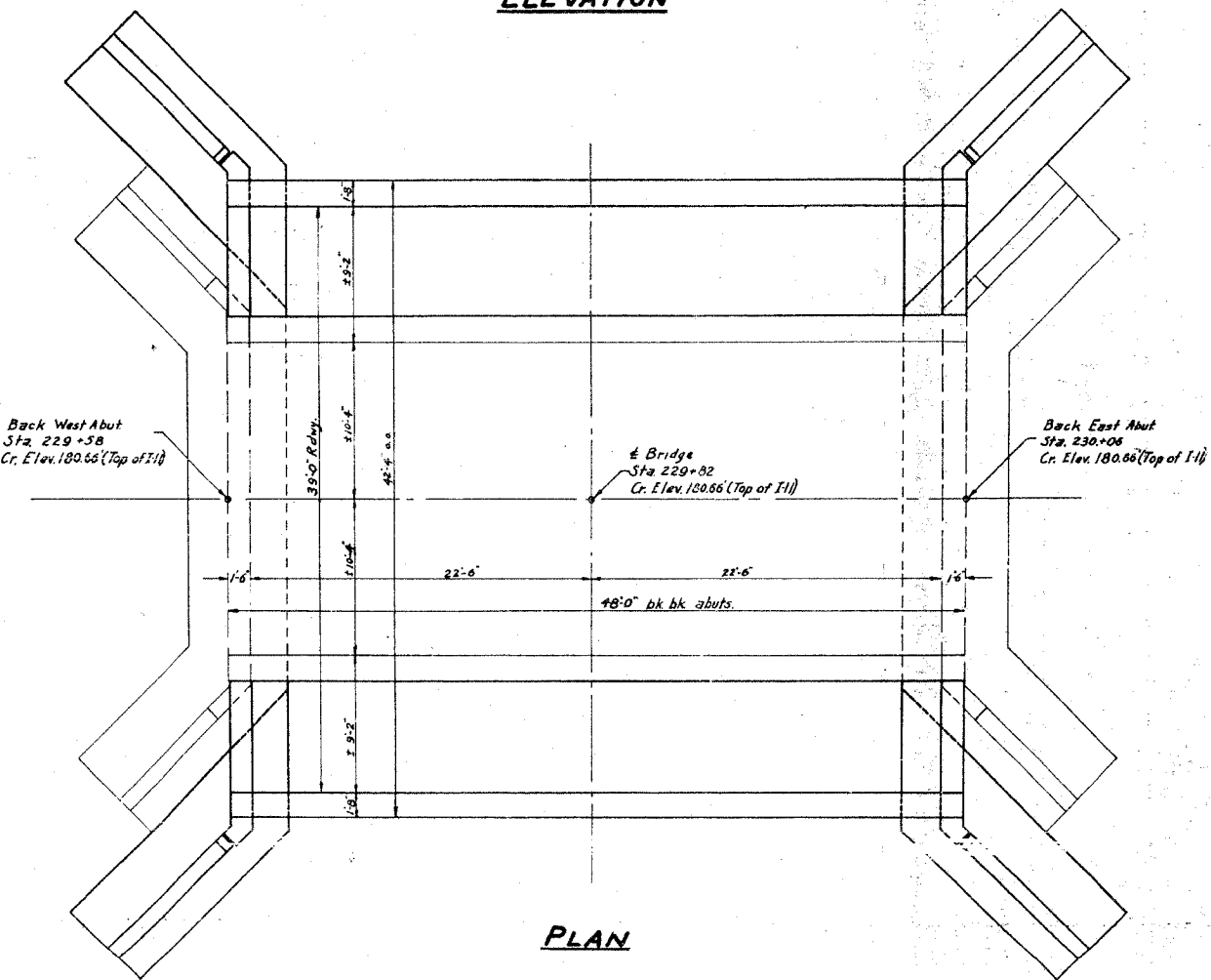
ELEVATION

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 27 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 | Lins. 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

- fc = 1400 psi Super
- fc = 800 psi Sub
- fs = 20000 psi Reinf
- fs = 18000 psi Struct.
- n = 10

DESIGNED: Edward M. Egan
CHECKED: George P. ...
DRAWN: E.M.F. R. Rash
CHECKED: ...

MAR 4 1955
EXAMINED: V.M. ...
APPROVED: R.K. ...

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

Loading H20