

6647

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

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
18-R-8	18-R-8	IROQUOIS		1
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT: F-84(17)	4 SHEETS

FOR INFORMATION ONLY

GENERAL NOTES

Class X Concrete shall be used throughout, except in Handrail. The Concrete Floor Slab shall be poured in one continuous operation and shall be finished in accordance with Art. 51.19 of the Standard Specifications.

Handrail Concrete shall be used in concrete rail posts and railing. The concrete rail posts and railing shall be poured in separate operations.

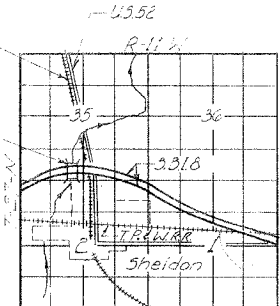
For backfill behind abutments held at top by Superstructure, see Art 50.10 of the Standard Specifications.

The following surfaces of the bridge shall be waterproofed: the backface of the abutments, retaining walls and wing walls from the tops of the footings to one ft. below top of wing walls.

Water proofing shall be done in accordance with Art. 51.21 of the Std. Specs.

STATION 2917+17.50
BUILT 196 BY
STATE OF ILLINOIS
S.B.I. RT 8 SEC. 18 R 8
PROJ. F-84(17)
LOADING H520

NAME PLATE
See Standard 2113-1



LOCATION SKETCH

TOTAL BILL OF MATERIALS

ITEM	Super	Sub	Total
Channel Excavation	Cu. Yds	360	360
Class A Excavation	Cu. Yds	360	360
Class B Excavation	Cu. Yds	530	530
Class X Concrete	Cu. Yds	76.8	355.8
Reinforcement Bars	Lbs.	20790	40800
Name Plates	Each	2	2
Protective Coat	Sq. Yds		235
Handrail Concrete	Cu. Yds	27	41

WATERWAY INFORMATION

Drainage Area ----- 1500 Acres
Character ----- Level, rolling sand clay & cult. v.
Required Opening ----- 158 Sq. Ft. (50 yr. fl.)
Present Opening ----- 141 Sq. Ft.
Proposed Opening ----- 160 Sq. Ft.
Low Water Elev. ----- 663.79

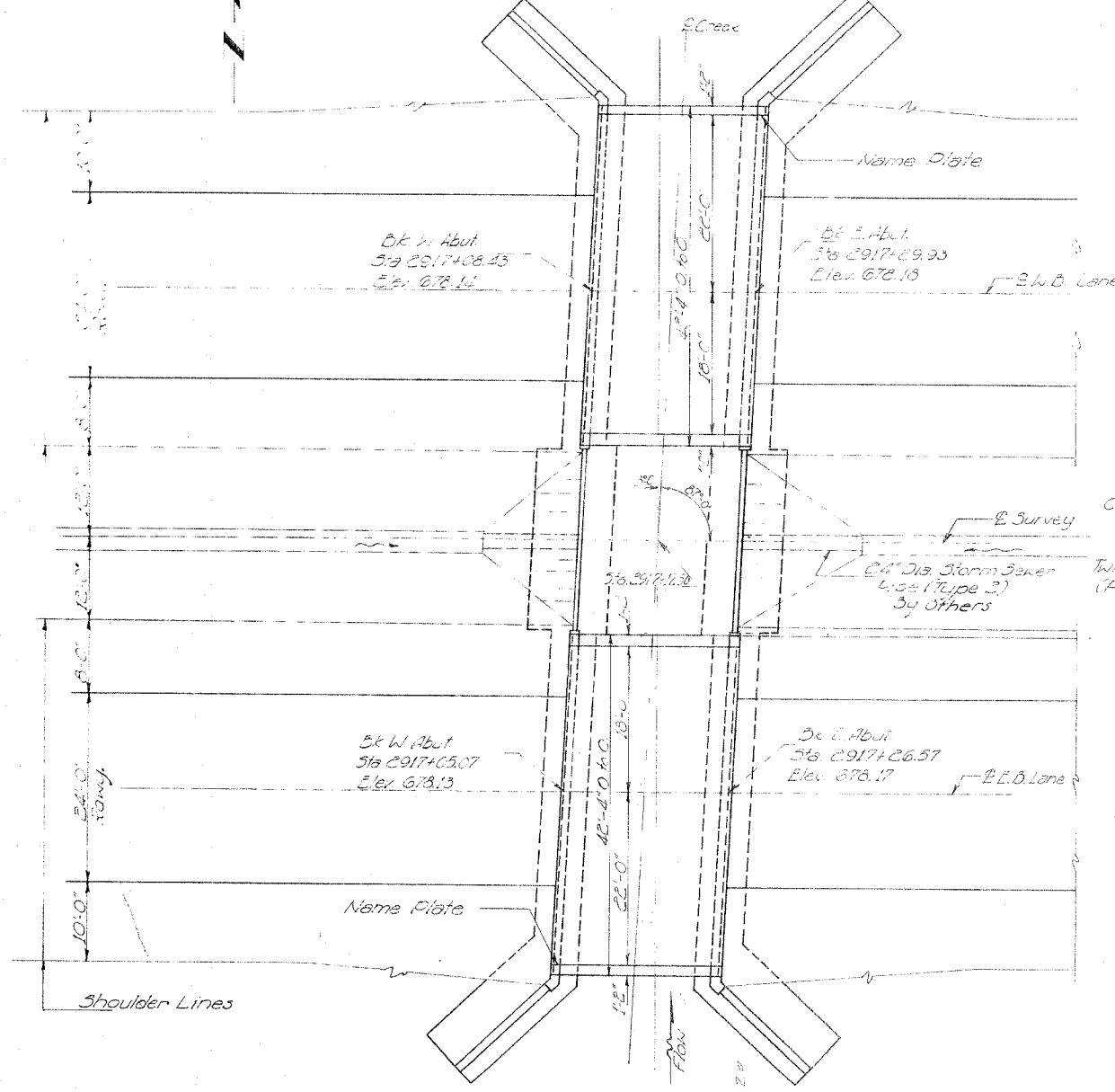
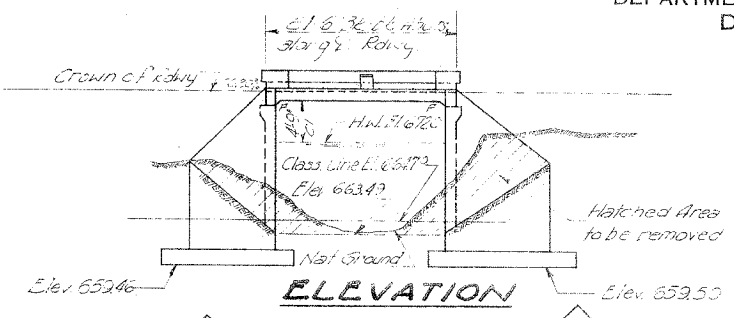
DESIGN STRESSES

f_c = 1400 psi Super.
f_c = 75 psi Ftgs.
f_s = 20,000 psi Reinf.
f_c = 1000 psi Sub.
n = 10
Max. Footing pressure = 1757/3 f.
LOADING H520-44

GENERAL PLAN & ELEVATION

PROJ. F-84(17)
S.B.I. RT 8 SEC. 18 R 8
IROQUOIS COUNTY
STA. 2917+17.50

Top of N.E. Bridge Wing wall
Sta. 2917+23 Elev 673.54



PLAN

DESIGNED <i>Ronald Hoedler</i>	JUNE 26 1962
CHECKED <i>J. Gausa</i>	EXAMINED <i>W. C. Bauman</i>
DRAWN <i>A. Barroza</i>	PASSED <i>[Signature]</i>
CHECKED <i>J. A. P.</i>	APPROVED <i>[Signature]</i>

Revised 1/26/65 In ELEVATION handrail modernized. In Total bill of Mat. Handrail Conc. hgt. from 2.8 to 2.7 (Super) quantities of Reinf. Bars about 18,450 to 20,790 (Super) from 39,870 to 40,800 (Sub) & from 59,300 to 42,990 (Total) Quantities of 10-2, 4s