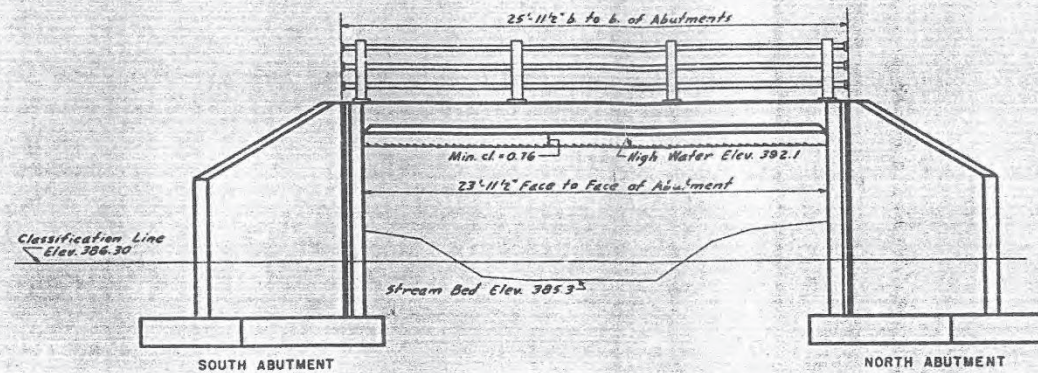


B.M.-0 Cut top South End of S.E. Wing Wall.
19' R.R. Sta 641+60, Elev. 395.51.
Existing Bridge - R.C. Slab 23'-11 1/2" Face to
Face of Abutments, 20'-0" Rwy. closed
R.C. Abutments to be widened to 23'-0"
Rwy. The Rail and portions of slab
and wings to be removed by Bridge
Contractor.

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

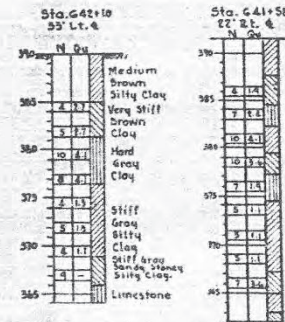
ROUTE NO.	DISTRICT	COUNTY	TOTAL SHEETS	SHEET NO.
S.B.I. 2	1-BV	Jackson	89	81
P.R.	2-02	Ferry		
	4-87			



ELEVATION
Scale 1/4"=1'-0"

WATERWAY INFORMATION

Drainage Area - 150 Acres
Character - Rolling & Cultivated
Opening Required - 129 Sq. Ft.
Present Bridge Opening - 132 Sq. Ft.
Proposed Bridge Opening - 132 Sq. Ft.

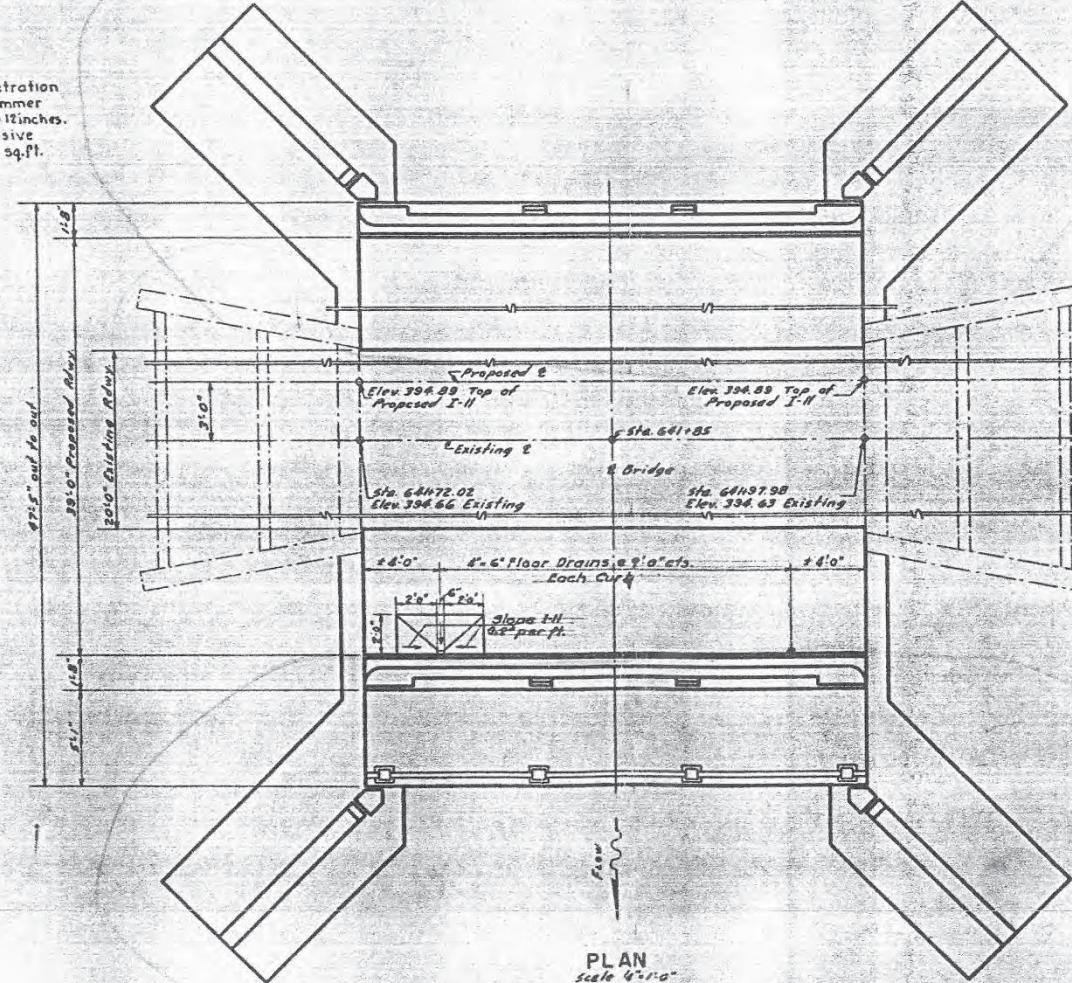


N - Blows per foot of penetration
of sampling spoon Hammer
Weight - 550 lbs. Drop - 12 inches.
G_u - Unconfined compressive
strength in tons per sq. ft.

BORINGS

STATION 641+85
BUILT 195 BY
STATE OF ILLINOIS
S.B.I. RT. 2 SEC. 4-BY
LOADING H-20

LETTERING FOR
NAME PLATE
See Std. 2113



PLAN
Scale 1/4"=1'-0"

GENERAL NOTES

Class A Concrete shall be used thru out except in Handrails
Handrail Concrete shall be used in Posts and Rails.
The concrete floor slab shall be poured in one continuous
operation and shall be finished in accordance with Sec. 27
of the Std. Specs.
The curbs shall be poured monolithically with slab.
The Handrail shall not be poured until after the false-
work has been removed.
The contract unit price for Expansion Bolts shall include
furnishing, drilling holes, and setting bolts.
Class A Excavation includes all Excavation for structure
above Classification Line.
Class B Excavation includes all Excavation for structure
below Classification Line.
All Reinforcement Bars shall conform to A.S.T.M. Specs.
A-305-40.
Existing Sidewalk Bridge on the right side of roadway
to be removed by Contractor for sections 4-BY at the time
when bridge is widened. Cost shall be incidental to the contract.
The bridge is 30' long with 2 channels, 1" I beam stringer,
2" plank floor 4" wide, steel handrail, concrete abutments
and Timber Bent Pier.
Fabrication and erection of the Metal Handrail shall be
done in accordance with the requirements for steel structures
in the Std. Specs. Railing shall be adjusted to true alignment,
after curbs have been poured. The railing shall receive one
shop coat of red lead paint and three field coats of aluminum
paint.
All joints shall be furnished and applied by the Contractor
for backfill behind abutments, hole at the top by Super-
structure. See Art. 50.10 of the Std. Specs.
Waterproof back of new abutments and wingwalls to top
of footings.
Boring Data are shown only as a guide to bidders in estimating
soil conditions which may be encountered in the work.

TOTAL BILL OF MATERIAL

Item	Unit	Super.	Sub.	Total
Class X Concrete	Cu. Yds.	35.7	54.8	88.5
Handrail Concrete	Cu. Yds.	1.2		1.2
Reinforcement Bars	Lbs.	7,220	3,560	10,780
Masonry Removal	Cu. Yds.	10.0	3.0	13.0
Name Plate	Each	One		One
Expansion Bolts	Each		40	40
Class A Excavation for Str.	Cu. Yds.			177
Class B Excavation for Str.	Cu. Yds.			193
Metal Handrail	Lin. Ft.	26		26

STRESSES
f_s (Reinf.) = 20,000 psi
f_c (Super.) = 1,400 psi
f_c (Sub.) = 800 psi
n = 10

GENERAL PLAN & ELEVATION

S.B.I. RT. 2 SECTION 4-BY
JACKSON COUNTY
STATION 641 + 85

LOADING H20-44

DESIGNED *Walter E. Fisher*
CHECKED *M. A. Razzack*
DRAWN *W. A. Sussman Jr.*
CHECKED *M. A. Razzack*

APR 6 1953
EXAMINED *W. E. Hanson*
PASSED *E. J. ...*
APPROVED *J. N. Parker*

