BM: ½PA "B" on top of S.E. Wingwall of Bridge 11' Rt. Sta.31+20
Elev. 89.36
Existing Structure: Steel Pony Truss (1 span @ 150') built in 1933 on
SBI Rt. 116, Sec. 116 C (Superstructure), 116 C (Substructure)
@ Sta. 345+81. To be removed by Bridge Contractor
No Salvage
Run-Around on North Side

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

month	day	year	route	sheet	total sheets
	27		24	1.5	5 SHEETS

GENERAL NOTES

All reinforcement bars shall be lapped 24 diameters unless otherwise shown.

Backfill shall be placed behind the abutment after the deck beams have been placed and steel ties grouted. See Article 502.18 of the Standard Specifications.

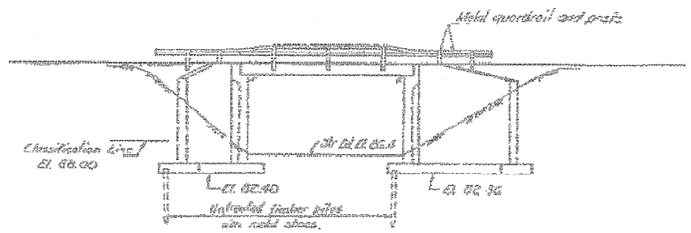
An alternate strand pattern using Extra High Strength Prestressing strand (270 KSI) is permitted.

The back surfaces of the abutment and wings shall be waterproofed above the legs of the footings.

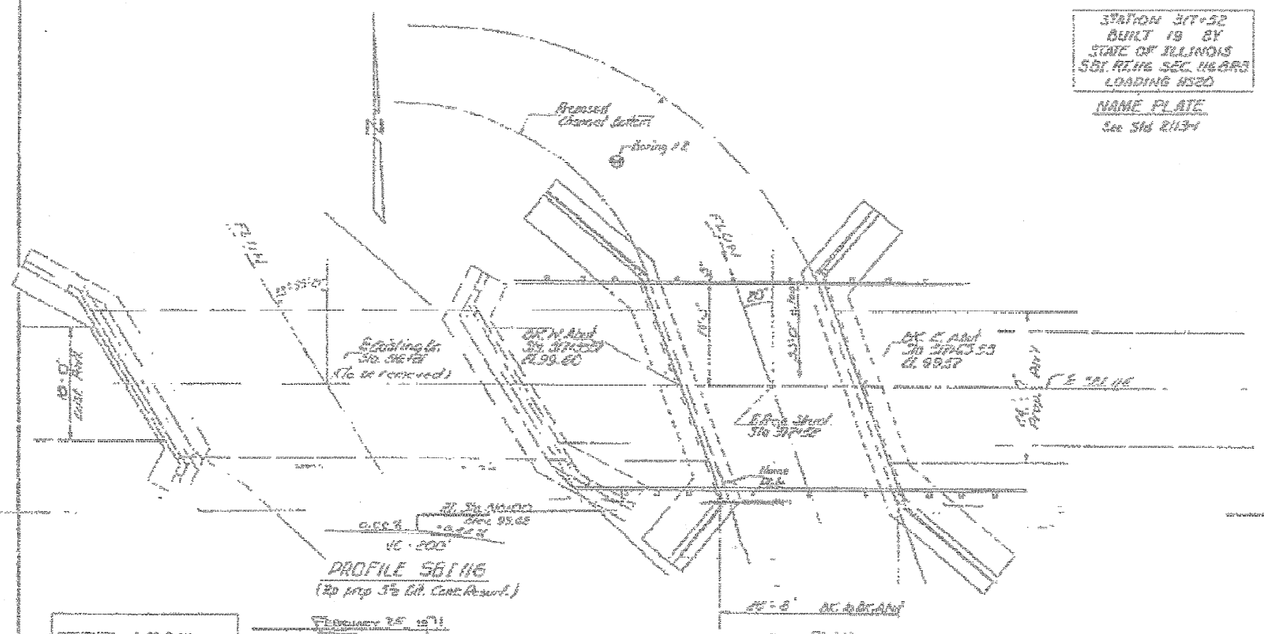
The Contractor shall drive one timber test pile in a permanent location at the Wed abut as directed by the Engineer before ordering the remainder of piles.

TOTAL BILL OF MATERIAL

Item	Unit	Super	Sub	Total
Class A Excavation for Structures	Cu. Yds.			470
Class B Excavation for Structures	Cu. Yds.			390
Bituminous Concrete Surface, Coarse, Class I	Tons	13		13
Channel Excavation	Cu. Yds.			2700
Class A Concrete	Cu. Yds.		166.3	166.3
Reinforcement Bars	Lbs.		13800	13800
Precast Prestressed Concrete Deck Beams (17")	Sq. Ft.	880		880
Coal Tar Intermixture Protective Coat	Sq. Yds.	109		109
Name Plate	Each		1	1
Delivered Piles up to 30 Feet	Lin. Ft.		1957	1957
Test Pile Timber	Each		1	1
Metal Shoes	Each		72	72
Removal of Existing Structure	Each			1
Steel Railing, Type N	Lin. Ft.			36

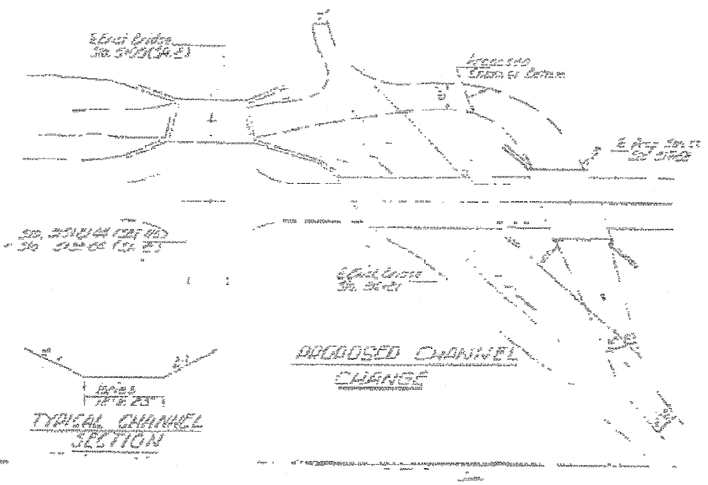


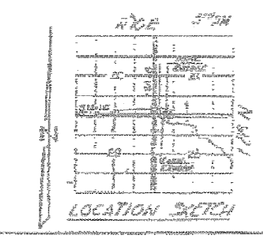
ELEVATION



STATION 31+52
BUILT 19 8X
STATE OF ILLINOIS
SBI RTE. 116 SEC. 116 BR-2
LOADING H20

NAME PLATE
See Std. 211.3-1





LOCATION SKETCH

SBI RT. 116 OVER DRAINAGE DITCH
SBI RT. 116 SECTION 116 BR-2
IROQUOIS COUNTY
STATION 31+52

DESIGNED	J. M. Dahl
CHECKED	
DRAWN	Brad N. Williams Jr.
CHECKED	

PRECAST PRESTRESSED UNITS
f'_c = 3,000 psi
f'_{ci} = 4,000 psi
f'_s = 248,000 psi (0.5 Strands)
f'_{si} = 213,800 psi (0.5 Strands)

FIELD UNITS
f'_c = 1600 Super
f'_c = 1,000 Sub
f_y = 75 Footing
f_s = 20,000 psi Bend
n = 10

Design Specifications, AASHTO, 1969 as applicable
Allow 25% Inc. for Rt-a Ave.
LOADING HS 20-44

FOR INFORMATIONAL USE ONLY

FILE NAME =	USER NAME = carpenterdj	DESIGNED - JML	REVISED -
c:\projects\ep03504\consult\20-24_00702	3.00_b10-b14_existingplans.dgn	DRAWN - DJM	REVISED -
	PLOT SCALE = 1.0000 ' / IN.	CHECKED - MSW	REVISED -
	PLOT DATE = Aug 07, 2008 - 09:05:43 AM	DATE - 04/09/08	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS

SCALE: | SHEET NO. B10 OF 14 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
681	116 BR-1	IROQUOIS	28	20
		CONTRACT NO. 66730		
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

FARNSWORTH GROUP, INC. CONSULTING ENGINEERS - 2709 MCGRAW DRIVE BLOOMINGTON, ILLINOIS 61704 (309) 663-8435 / (309) 663-1571 FAX

24-7917