B.M. ... Elev. 100.00

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
115	102BR	KANKAKEE	25	11

SHEET NO. 1
7 SHEETS

GENERAL NOTES

See Proposal for Boring Data.

All structural steel shall be shop painted with two coats of basic lead silico chromate paint.

The contractor shall drive 1 (one) concrete test pile in a permanent location at East Abutment as directed by the Engineer before ordering the remainder of piles.

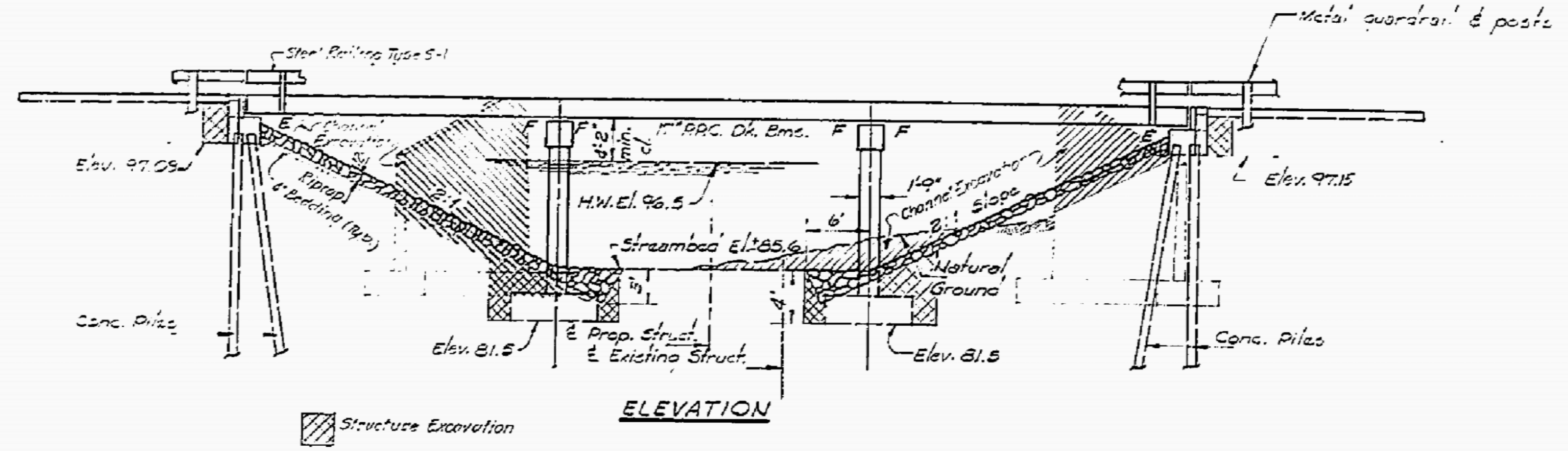
The top surface of the beams shall be finished in accordance with Article [illegible] of the Standard Specification except that the surface shall not be roughened by brooming. The finished surface shall be free of depressions or high spots with sharp corners, and the top edge of keys shall be rounded or chamfered a minimum of [illegible].

The embankment configuration shown shall be the minimum embankment that must be constructed prior the construction of the abutments.

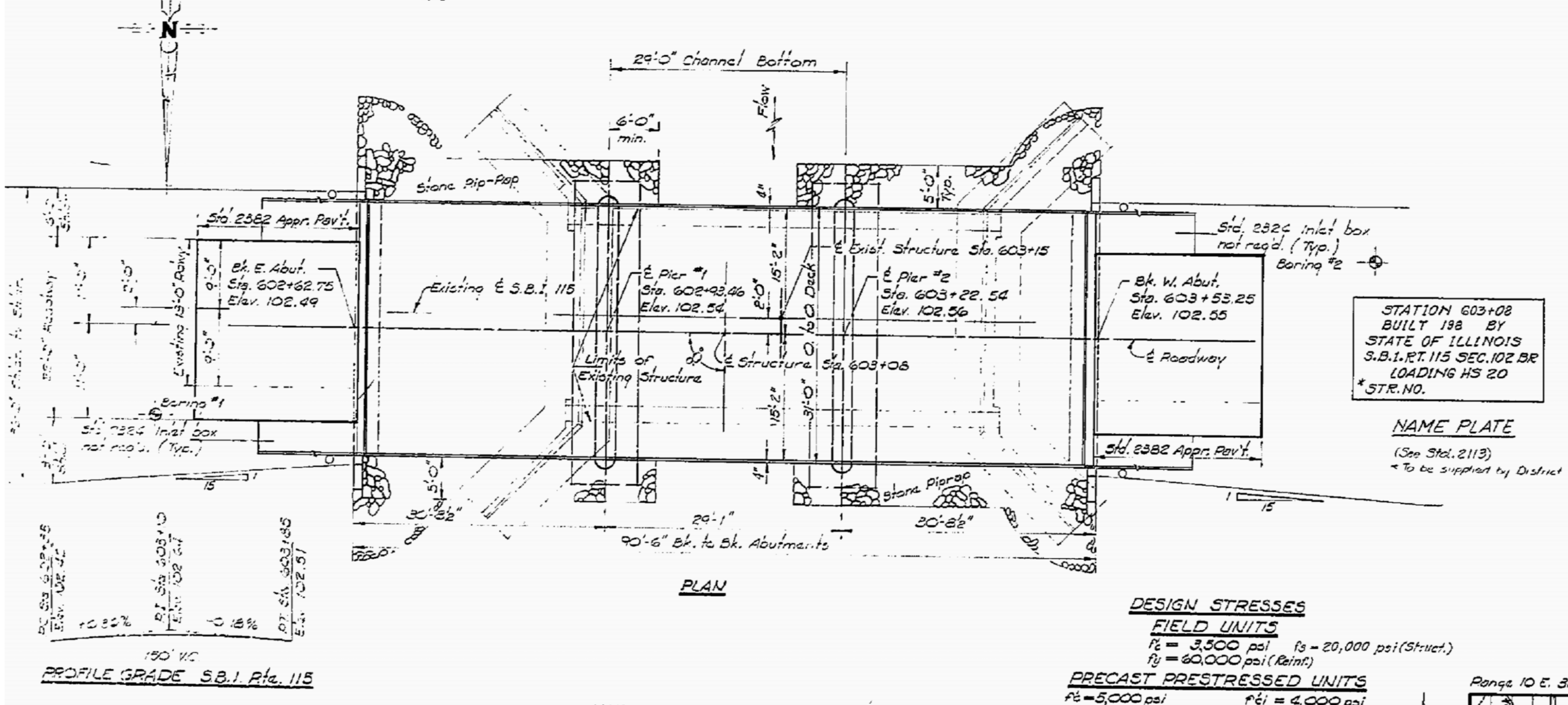
Reinforcement bars shall conform to the requirements of AASHTO M-31 or M-53 Grade 60.

Expansion guards which are not cast in the precast unit shall be fabricated and erected in accordance with Article 503.07(c) of the Standard Specifications and are included in quantity of structural steel.

A Calcium Nitrite Corrosion Inhibitor, as covered in the Special Provisions, shall be used in the concrete for precast prestressed concrete deck beams.



ELEVATION



PLAN

PROFILE GRADE S.B.I. Rte. 115

STATION 603+08
BUILT 198_ BY
STATE OF ILLINOIS
S.B.I. RT. 115 SEC. 102 BR
LOADING HS 20
*STR. NO.

NAME PLATE

(See Std. 2113)
* To be supplied by District

TOTAL BILL OF MATERIAL

Item	Unit	Super	Sub	Total
Channel Excavation	Cu.Yd.		650	650
Bituminous Conc Surf. Cse. Cl. I	Ton	24		24
Removal of Existing Structures	Each			1
Structure Excavation	Cu.Yd.		160	160
Class X Concrete	Cu.Yd.	1.4	145.4	146.8
P.P.C. Deck Beams (17")	Sq.Ft.	2697		2697
Structural Steel	Pound	4,390		4,390
Steel Railing Type S-1	Lin.Ft	174		174
Reinforcement Bars	Pound	190	10570	10760
Concrete Piles	Lin.Ft.		367	367
Test Piles (Concrete)	Each		1	1
Name Plates	Each			1
Stone Riprap	Sq.Yd.		370	370
Preformed Joint Seal (2½")	Lin.Ft.	63		63
Portland Cement Mortar Fairing Course	Lin.Ft.	683		683
Waterproofing Membrane System	Sq.Yd.	303		303

DESIGN STRESSES

FIELD UNITS

f'c = 3,500 psi   fs = 20,000 psi (Struct.)
fy = 60,000 psi (Reinf.)

PRECAST PRESTRESSED UNITS

f'c = 5,000 psi   f'ci = 4,000 psi
f's = 270,000 psi (½" ϕ Strands)
fsi = 189,000 psi (½" ϕ Strands)

LOADING HS 20-44

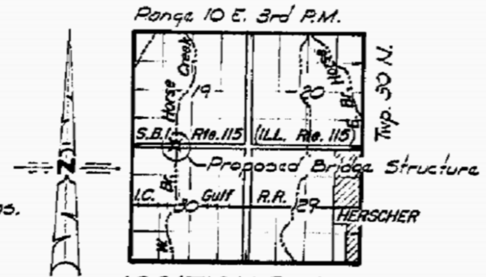
Allow 25#/sq. ft. future wearing surface.

Design Specifications: 1977 AASHTO, 1978, 1979 and 1980 Interim Specifications.

WATERWAY INFORMATION

Drainage Area 18.0 sq.mi. Low Grade Elev. 101.5' @ Sta.										
Flood	Freq. Yr.	Q C.F.S.	Opening Sq.Ft.		Nat. H.W.E.	Head - Ft.		Headwater El.		
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.	
Design	50	2023	408	514	96.5'	0.14	0.08	96.64	96.58	
Base	100	2316	428	542	96.9'	0.22	0.12	97.12	97.02	
	—	—	—	—	—	—	—	—	—	
Max. Calc.	500	2991	463	593	97.6'	0.35	0.20	97.95	97.8	

DESIGNED
CHECKED
DRAWN
CHECKED D.F.S.
EXAMINED — 19__
PASSED
APPROVED



LOCATION SKETCH

GENERAL PLAN
S.B.I. Rte. 115 Over West Branch of Horse Cr.
S.B.I. Rte. 115 SECTION 102 BR
KANKAKEE COUNTY
Sta. 603+08

FILE NAME = c:\pw_work\pwidot\duncanbd\dms68355\EP24404-sht-FIO.dgn	USER NAME = duncanbd	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 8/12/2013	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FOR INFORMATION ONLY
EXISTING STRUCTURE

SCALE: SHEET NO. 1 OF 6 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1323	102 BR	KANKAKEE	53	39

CONTRACT NO. 66B66
ILLINOIS FED. AID PROJECT