CONTRACT NO. 76961

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1780	27-1BR-1	CLINTON	69	55
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

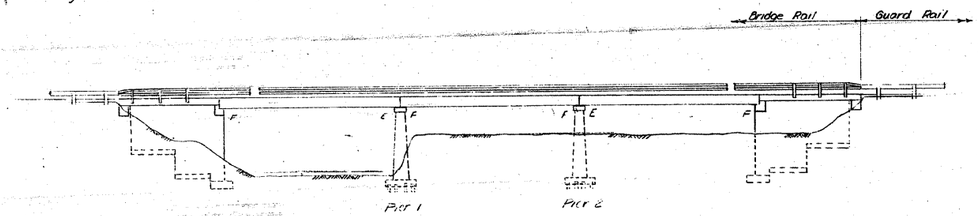
Built as SBI Rt. 12 Sec. 27BRm 1922 as Sta. 305+83.

Existing Structure: 3 Span R.C. Thru Girder. 189'-0" long - 25'-6" wide.

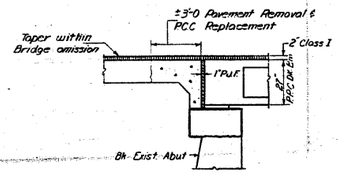
B.M.: "O" Mark on Top of Northwest wingwall of west abutment.

Temporary Bridge Required 85 Ft. long 28 Ft. Rdwy. H.S. 15 Loading.

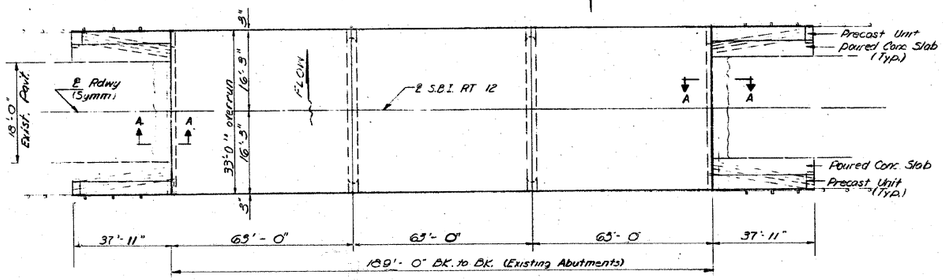
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS



ELEVATION



SECTION A-A



PLAN

WATERWAY INFORMATION

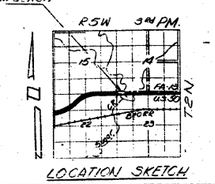
Drainage Area= 97 Sq. Mi.
Character= rolling, wooded, Cultivated
Present Opening= (30 yr fl.) 2750 Sq. Ft.

DESIGNED		JAN. 27	1970
CHECKED		EXAMINED	
DRAWN		PASSED	
CHECKED	JP	APPROVED	

DESIGN STRESSES

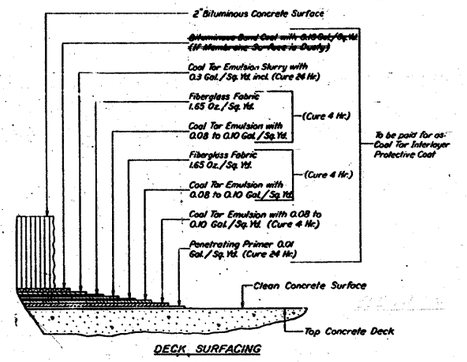
FIELD UNITS	PRECAST PRESTR. UNITS
fc = 1400 p.s.i. (Super.)	f'c = 5000 psi
fc = 1200 psi (Sub.)	f'ci = 4000 psi
fs = 20,000 psi (Reinf.)	f's = 248,000 psi
Vc = 75 psi (Factors)	fsi = 173,600 psi
n = 10	

LOADING H 20-44



LOCATION SKETCH

SHEET NO.	ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1 of 6 SHEETS	F.A.S. 1780 / SBI RT 12	27BR	CLINTON	11	5
	FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		



DECK SURFACING

GENERAL NOTES

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

It shall be the responsibility of the Contractor to verify all dimensions and conditions existing in the field prior to construction and ordering of materials.

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

Expansion bolts shall consist of self drilling expansion shields and ¾"ø hooked bolts. Hooked bolts shall extend a minimum of 12" into new concrete except as otherwise shown.

All excavation for structures shall be incidental to Bridge Contract.

Shoulder transition to wingwall shall be shaped with broken concrete. Coal Incidental.

Limits of Coal Tar Interlayer Protective Coat shall be back to back of abutments and out to out of deck.

TOTAL BILL OF MATERIAL

Item	Unit	Super	Sub.	Total
P.C.C. Pavement (10")	Sq. Yds.	63		63
Pavement Fabric	Sq. Yds.	63		63
Concrete Removal	Cu. Yds.		48	48
Expansion Bolts (¾ø)	Each	100	92	192
Class X Concrete	Cu. Yds.		332	332
Precast Concrete Bridge Slab	Sq. Ft.	569		569
PFC Deck Beams (27")	Sq. Ft.	6226		6226
Steel Railing, Type N	Lin. Ft.	330		330
Reinforcement Bars	Lbs.		4230	4230
Prf. Rem. & PCC Pavt. Type I (10")	Sq. Yds.	12		12
Rem. of Existing Superstructures	Each	1		1
Coal Tar Interlayer Protective Coat	Sq. Yds.	693		693
Temporary Bridge Complete	Each			1

SBI RT 12 OVER SUGAR CREEK
SBI RT. 12 SEC. 27 BR
CLINTON COUNTY
STATION 305+83

FOR INFORMATION ONLY

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURE PLAN

FAS ROUTE 1780
SECTION 27-1BR-1
CLINTON COUNTY
SN 014-0030 (E) 0077 (P)

PLOT DATE = 7/10/2007
FILE NAME = c:\projects\sed\02095\plan\pln02095a.dgn
PLOT SCALE = 50.0000 ' / IN.
REFERENCE = SHEET