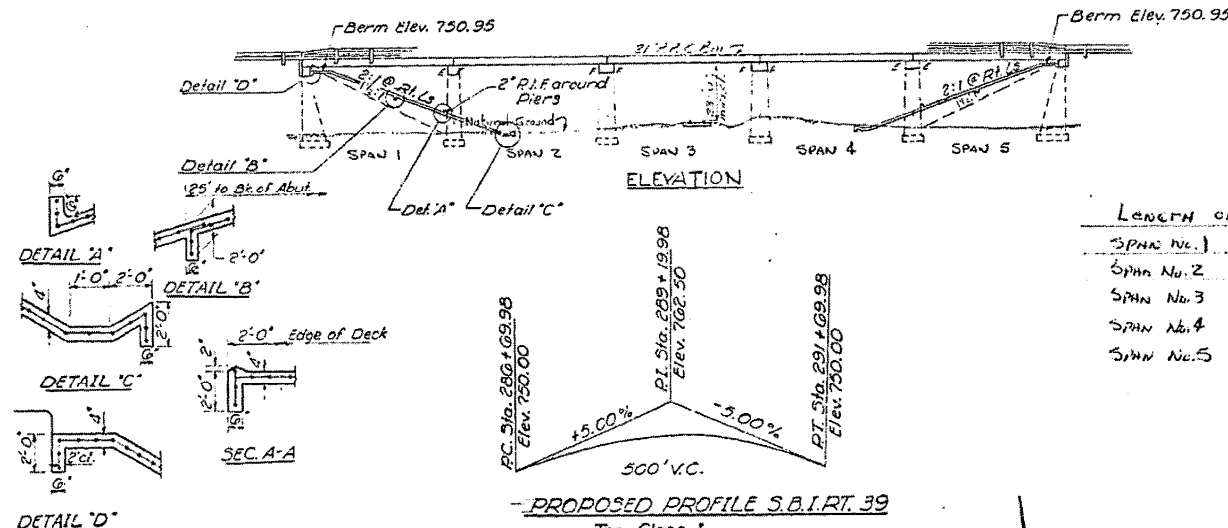


Existing Structure Built as S.B.I. RT. 39 of Sta. 289+23, Sec. 12 V.
 12/13/83 Existing R.C.C. to be removed and replaced with

traffic over the structure at all times, protected with traffic
 signals. No Solvite.
 BM - USC&GS 4'x6.5" Top Conc. Base, between two southern legs
 Pier No. 3 Elev. 723.53E

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DATE	BY	REVISION	TOTAL SHEETS	SHEET NO.
12/13/83	PIATT		12	6
				7 SHEETS



LENGTH OF PRECAST BEAMS

SPAN No. 1	43'-0 3/4"
SPAN No. 2	43'-3 5/8"
SPAN No. 3	44'-11 3/4"
SPAN No. 4	43'-2 3/4"
SPAN No. 5	43'-1 3/8"

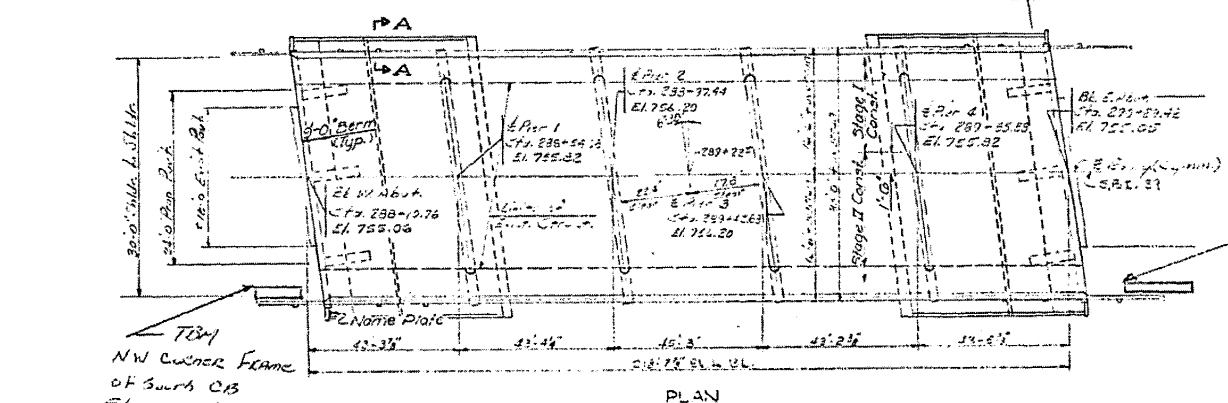
GENERAL NOTES
 All reinforcement bars shall be lapped 2d diameters unless otherwise shown.
 It shall be the responsibility of the Contractor to verify all dimensions and conditions existing in the field prior to construction and ordering of materials.
 An alternate strand pattern using Extra High Strength Prestressing strand (EHS) is permitted.
 Expansion bolts shall consist of self drilling expansion anchors and 3/8" hooked bolts. Hooked bolts shall extend a minimum of 12" into new concrete unless otherwise shown.
 Protective Coat shall not be applied to surfaces to which Waterproofing Membrane System is applied.
 All Structural Steel shall be shop painted with two coats of basic lead-silico chromate paint.
 Expansion guards shall be fabricated in accordance with Article 503.07(C) of the Std. Specs. and are included in quantity of structural steel.

TOTAL BILL OF MATERIAL

Item	Unit	Super.	Sub.	Total
* Bituminous Concrete Surface Crst., Class I	Tons	140		140
Concrete Removal	Cu. Yds.		22	22
Expansion Bolts (3/8")	Each		144	144
Class X Concrete	Cu. Yds.	17.4	5389.8	75.2
Precast Prestressed Conc. Dk. Beams (21")	Sq. Ft.	7153		7153
Steel Railings, Type T	Lin. Ft.	437		437
Reinforcement Bars	Lbs.	1000	7350	8350
Pavement Rem. & P.C.C. Replacement, T2(10')	Sq. Yds.		8	8
Removal of Existing Superstructures	Each		1	1
Waterproofing Membrane System	Sq. Yds.	781		781
Name Plates	Each		1	1
Preformed Joint Sealer (2 1/2")	Lin. Ft.	66		66
Temporary Guard Rail	Lin. Ft.	219		219
Protective Coat	Sq. Yds.	73		73
Slope Wall (4')	Sq. Yds.	550		550
Structural Steel	Lbs.	4650		4650

As Built

140
 21.51
 144
 77.39
 7188
 8350
 11.95
 1
 781.84
 1
 66
 219
 687.50
 4650



TBM NW CORNER FRAME
 OF C13
 Elev. 754.45

STATION 289+23
 REBUILT 197 BY
 STATE OF ILLINOIS
 S.B.I. RT. 39 SEC. 12 V.
 LOADING HS20

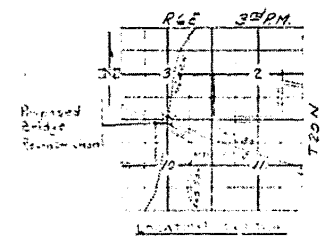
NAME PLATE
 See Std. 213

PRECAST PRESTRESSED UNITS
 Fc = 5000 psi
 Fti = 4000 psi
 Fc = 23000 psi (Strands)
 Fti = 173,600 psi (Strands)

FIELD UNITS
 Fc = 1400 psi
 Fc = 20,000 psi Reinf.
 n = 10

LOADING HS 20-44
 Allow 25% Split for future WS.
 Design Specifications AASHTO 1963 as applicable

DESIGNED	Aug W. Banta	EXAMINED	
CHECKED	James Turner	PASSED	
DRAWN	piatt	APPROVED	
CHECKED	JP		



GENERAL PLAN & ELEVATION
 S.B.I. RT. 39 OVER N.G.H.R.
 S.B.I. RT. 39 SEC. 12 V.
 PIATT COUNTY
 STA. 289+23