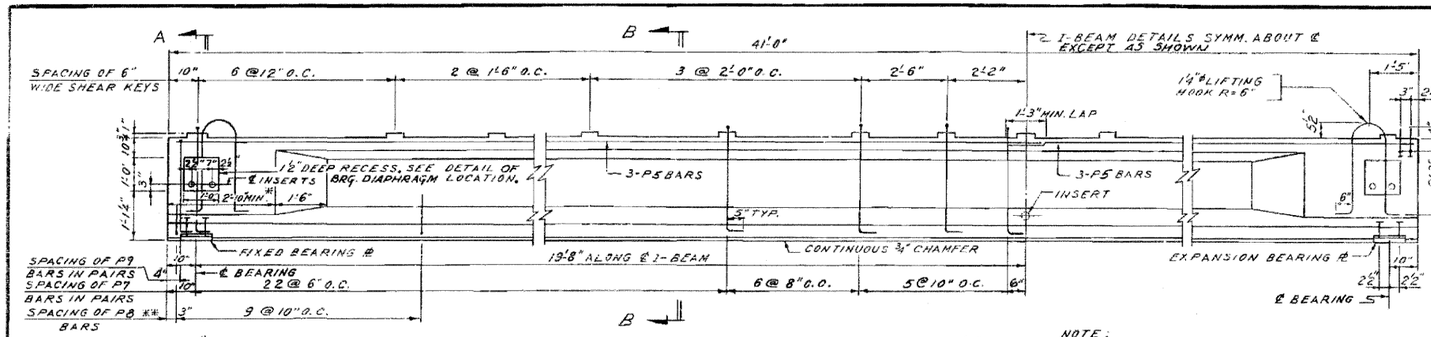
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 80	50-2HB-5	LA SALLE	492	492F
STA.		TO STA.		
B. P. R. SEC. NO. 4	ILLINOIS	PROJECT		

SHEET 6 OF 16



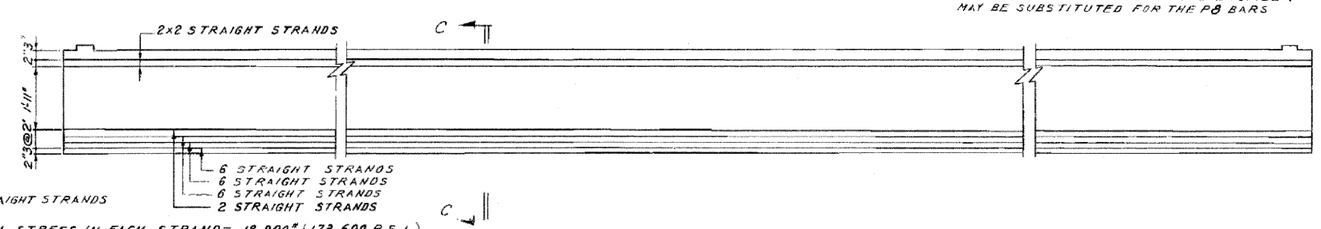
ELEVATION OF I-BEAMS Nos. 2 THROUGH 9, 39'-4" SPANS

SCALE ½"=1'-0"

NOTE:

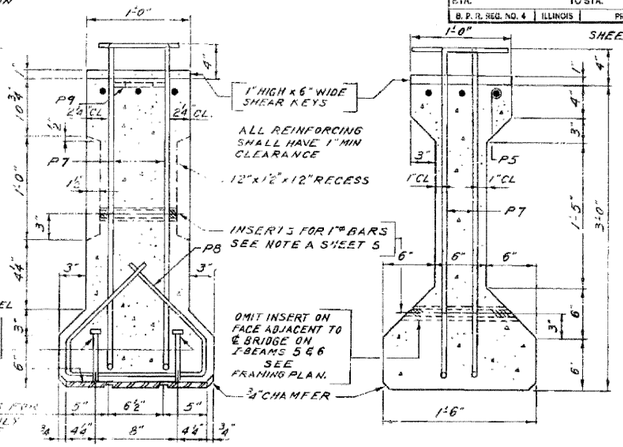
* DIFFERENCE BETWEEN END BLOCKS DIMENSIONS OF I-BEAMS IN ADJACENT SPANS SHALL NOT BE MORE THAN 6".

** ALTERNATE STEEL BANDING .035"x¾" MEETING THE APPROVAL OF THE ENGINEER MAY BE SUBSTITUTED FOR THE P8 BARS



INITIAL STRESS IN EACH STRAND = 18,900# (173,600 P.S.I.)
TOTAL INITIAL PRESTRESSING FORCE = 453,600#

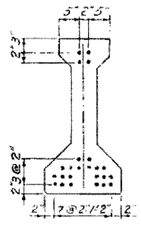
DETAILS OF PRESTRESSING STEEL FOR I-BEAMS Nos. 2 THROUGH 9, 39'-4" SPANS



SECTION A-A

SECTION B-B

SCALE ½"=1'-0"



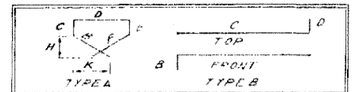
ALL STRAIGHT STRANDS

SECTION C-C

SCALE ¾"=1'-0"

BAR SCHEDULE - 36" I BM.

ALL DIMENSIONS GIVEN ARE OUT TO OUT OF BARS



MARK	SIZE	TYPE	LENGTH	A	C	D	E	F	H	K
P7	#5	S	41'-3"	0'-5"	3'-2"	0'-8"				
P8	#3	A	4'-1"	1'-1"	0'-3"	1'-4"	0'-3"	2"	0'-10"	9½"
P5	#5	STR.	21'-0"							
P9	#5	B	3'-10"	0'-8"	2'-9"	0'-5"				

FOR INFORMATION ONLY

DETAILS OF 36 IN. PRECAST PRESTRESSED CONCRETE I-BEAMS
GRADE SEPARATION
S.A. ROUTE 9 (UTICA ROAD)
OVER F.A.I. ROUTE 80
L.A. PROJECT
F.A.I. ROUTE 80 SECTION 50-2HB5
LA SALLE COUNTY
STATION 895+86.16

ALFRED BENESCH & ASSOCIATES - CONSULTING ENGINEERS
10 SOUTH WABASH AVENUE 706 CHICAGO, ILLINOIS

⚠1 SHEET ADDED 4-6-10