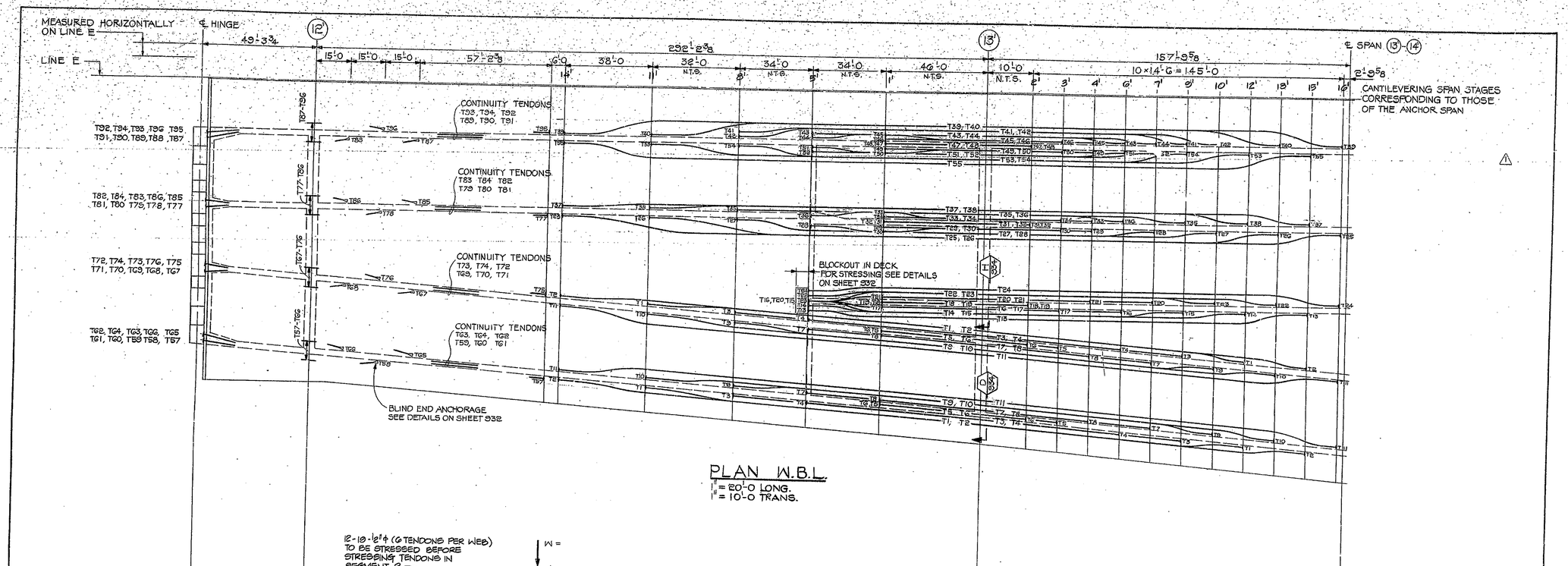
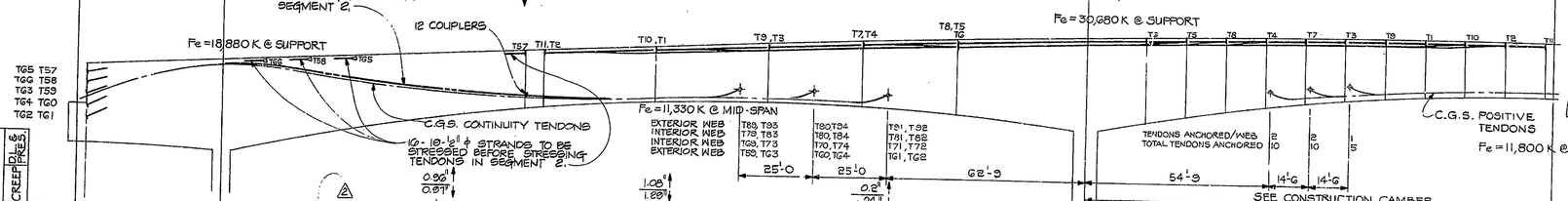


PLAN W.B.L.

1" = 20'-0 LONG.
1" = 10'-0 TRANS.



DEFLECTION OR CAMBER	DL & PRES.																												
	CREEP																												
	LOC.	℄ HINGE OL	.25L	.5L	.75L	1L	OL	.1L	.2L	.25L	.3L	.4L	.5L	.7L	.75L	.8L	1L	OL	.2L	.3L	.5L								
C.G.S. MEASURED FROM TOP FLANGE	(IN FEET)	4.60	2.94	1.75	1.04	0.80		3.00	5.32		6.57	7.28	8.30																
C.G.S. MEASURED FROM BOT. FLANGE	(IN FEET)	7.40	9.77	11.73	13.28	14.20		10.09	6.09		3.13	1.34	0.71																
WEB REINFORCEMENT EXTERIOR & INTERIOR WEBS	# "A"	SEE SHEET 930	#5@10" EXT. [INT. [					#5@18"		#5@18"			#5@18"				#5@16"	#5@16"	#5@8"		#5@16"	#5@18"							
	# "B"		#6@10" [OR]					#6@10"					#6@9"					#6@10"	#6@10"			#6@9"							
	# "C"		#5@10"]OR[					#5@10"					#5@9"					#5@10"	#5@10"			#5@6"							
	# "D"		#5@10"]T[					#5@10"					#5@9"					#5@10"	#5@10"			#5@6"							

APPROVED FOR CONSTRUCTION
J. D. Matthews
J. D. Matthews
Engineer of Bridges
9-7-82

APPROVED FOR CONSTRUCTION
W. B. Abbott
W. B. ABBOTT
Assistant Engineer of Bridge Design 10-26-81

NOTES:

1. EFFECTIVE PRESTRESSING TENDON FORCE F_e IS GIVEN FOR TOTAL CROSS SECTION.
2. DEAD WEIGHT IS PLACED BEFORE STRESSING THE TENDONS AT HINGE AND BEFORE CLOSING THE SIDE GAP. DWG. 1102
3. MINIMUM CONSTRUCTION CAMBER FOR SPAN 12-13 SHALL BE EQUAL TO THE SUM OF D.L.&PRES.& CREEP DEFLECTION. THE SYMBOL ↓ INDICATES DOWNWARD DEFLECTION, THEREFORE CAMBER DIRECTION IS UP ↑
4. SEE DWGS. 530 THRU 533 FOR "A", "B", "C" & "D" BAR.
5. PROPOSED 10-1/2"ϕ STRANDS FOR EACH TENDON IN "SEGMENT" 3. FINAL NUMBER OF STRANDS SUBJECT TO PRESTRESS SHOP DWG.

NO.	REVISION	DATE
2	"A" BAR	SEPT. '81

T. Y. LIN INTERNATIONAL
STRUCTURAL ENGINEERS

REID, QUEBE, ALLISON, WILCOX AND ASSOCIATES INC.
CONSULTING ENGINEERS

WALSH CONSTRUCTION COMPANY
A DIVISION OF GUY F. ATKINSON CO.
DARIEN, CONNECTICUT

SHEET TITLE
CABLE LAYOUT AND PROFILE, FORCES AND WEB REINFORCEMENT
W.B.L. 1 – SEGMENT 3

CLINE AVENUE EXTENSION OVER INDIANA HARBOR CANAL
BRIDGE FILE: 912-45-2546 CONTRACT NO. 8-11612
INDIANA STATE HIGHWAY COMMISSION

SHEET N.
832