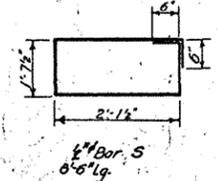
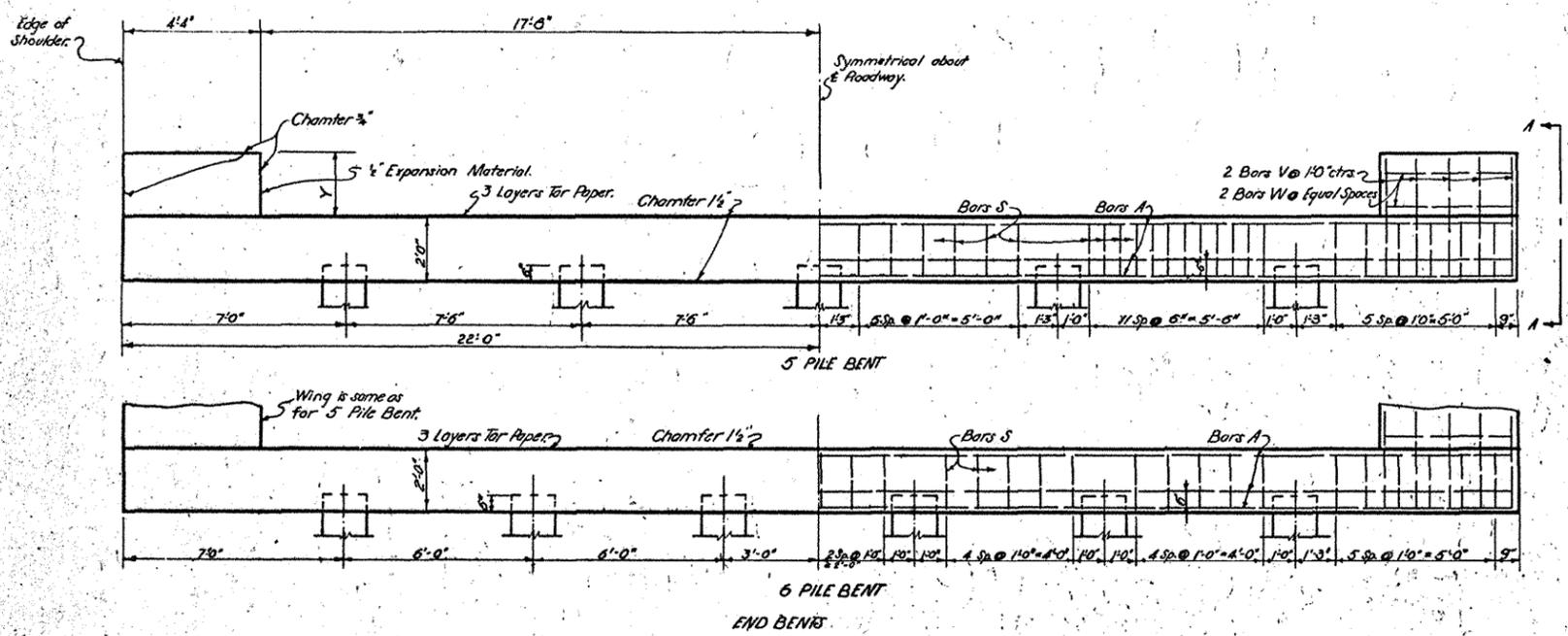


**END BENTS - SPANS 20 FT TO 26 FT**

20 FT. SPAN		22 FT. SPAN		24 FT. SPAN		26 FT. SPAN	
BAR	NO. SIZE	UNIT LENGTH	TOTAL LENGTH	BAR	NO. SIZE	UNIT LENGTH	TOTAL LENGTH
S	48 1/2"	8'-6"	408'-0"	S	48 1/2"	8'-6"	408'-0"
V	20 1/2"	3'-5"	68'-4"	V	20 1/2"	3'-6"	70'-0"
W	8 1/2"	4'-0"	32'-0"	W	8 1/2"	4'-0"	32'-0"
Y	18 1/2"	3'-6"	63'-0"	Y	18 1/2"	3'-6"	63'-0"
Total 1/2" Bars		5 Pile Bent = 571'-4" = 382'		Total 1/2" Bars		5 Pile Bent = 573'-0" = 383'	
Total 1" Bars		5 Pile Bent = 436'-8" = 187'		Total 1" Bars		5 Pile Bent = 436'-8" = 187'	
Total 1 1/2" Bars		5 Pile Bent = 436'-8" = 187'		Total 1 1/2" Bars		5 Pile Bent = 436'-8" = 187'	
5 Pile Bent		Class A Conc. = 653 Cu Yds		5 Pile Bent		Class A Conc. = 652 Cu Yds	
5 Pile Bent		Rein. Steel = 2262 #		5 Pile Bent		Rein. Steel = 2262 #	



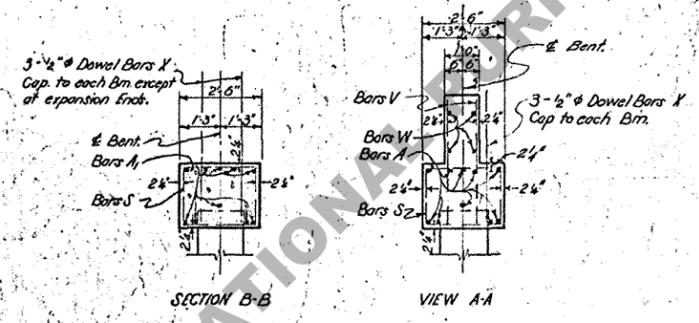
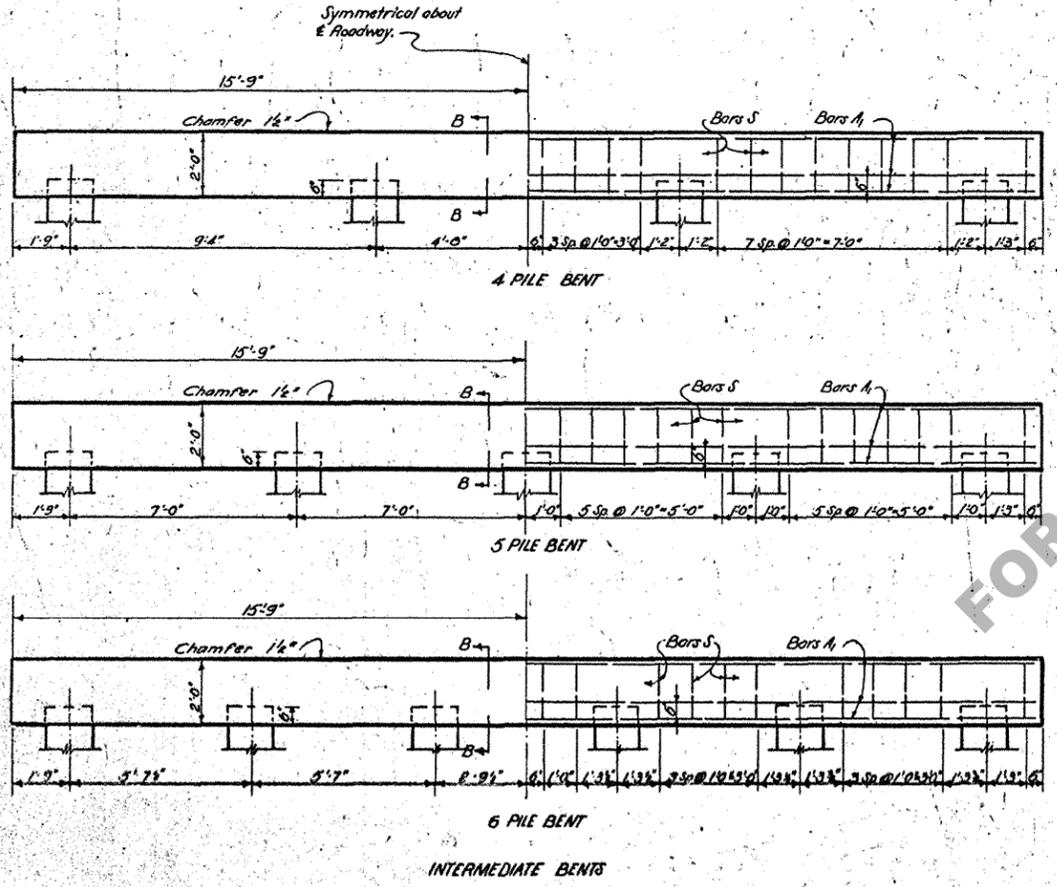
NOTE: For details of concrete piles, see STD. PLAN C-5-149.

SPAN	Y
20'	1'-9 1/2"
22'	1'-10 1/2"
24'	1'-11 1/2"
26'	2'-0 1/2"

**INTERMEDIATE BENTS**

BAR	SIZE	NO.	UNIT LENGTH	TOTAL LENGTH	LOCATION
4 PILE BENT					
S	1/2"	36	8'-6"	221'-0"	Hoops in Cap.
X	1/2"	36	3'-6"	126'-0"	Brn. Dowels
Total 1/2" Bars = 347'-0"					232 Lbs.
A <sub>1</sub>	1"	10	31'-2"	311'-8"	Cap.
Total 1" Bars = 311'-8"					1060 Lbs.
Class A Conc. = 570 Cu Yds					
Rein. Steel = 1292 Lbs.					
5 PILE BENT					
S	1/2"	36	8'-6"	221'-0"	Hoops in Cap.
X	1/2"	36	3'-6"	126'-0"	Brn. Dowels
Total 1/2" Bars = 347'-0"					232 Lbs.
A <sub>1</sub>	1"	10	31'-2"	311'-8"	Cap.
Total 1" Bars = 311'-8"					1060 Lbs.
Class A Conc. = 567 Cu Yds					
Rein. Steel = 1292 Lbs.					
6 PILE BENT					
S	1/2"	22	8'-6"	187'-0"	Hoops in Cap.
X	1/2"	36	3'-6"	126'-0"	Brn. Dowels
Total 1/2" Bars = 313'-0"					209 Lbs.
A <sub>1</sub>	1"	10	31'-2"	311'-8"	Cap.
Total 1" Bars = 311'-8"					1060 Lbs.
Class A Conc. = 564 Cu Yds					
Rein. Steel = 1269 Lbs.					

NOTE: At Expansion Joints deduct #2 Lbs. of Rein. Steel - (18 Bars X @ 3'-6" Lg.)



**DESIGN LOAD - NUMBER AND SIZE OF PILES**

SPAN	STD.	END BENT		INTERMEDIATE BENT	
		TOTAL DESIGN LOAD IN TONS	MIN. SIZE & NO. OF PILES & AV. PILE LOAD IN TONS	TOTAL DESIGN LOAD IN TONS	MIN. SIZE & NO. OF PILES & AV. PILE LOAD IN TONS
20'	C-6-17-20	129.2	14"-5 @ 25.8 TONS 16"-5 @ 23.8 TONS	129.2	14"-5 @ 25.8 TONS 16"-5 @ 23.3 TONS
22'		139.1	14"-5 @ 27.8 TONS 16"-5 @ 27.8 TONS	139.1	14"-5 @ 27.8 TONS 16"-5 @ 27.8 TONS
24'		148.0	14"-5 @ 29.6 TONS 16"-5 @ 29.6 TONS	148.0	14"-5 @ 29.6 TONS 16"-5 @ 29.6 TONS
26'		157.1	14"-6 @ 26.2 TONS 16"-5 @ 31.4 TONS	157.1	14"-6 @ 26.2 TONS 16"-5 @ 31.4 TONS

Max. Pile Load Unless Otherwise Indicated By Bridge Design Eng.  
 14" A.C. Piles = 30 Tons Per Pile.  
 16" A.C. Piles = 34 Tons Per Pile.  
 18" A.C. Piles = 39 Tons Per Pile.

\*\* To provide for future extension of bridge, the End Bents are designed for same load as Intermediate Bents.

**GENERAL NOTES:**  
 Construction Specifications Approved La Hwy. Dept. Std. Specs.  
 Design Specifications - AASHTO, 1941.  
 Live Load - H20S16.  
 All dimensions to reinforcing steel are to bar centers.  
 Quantities computed assuming use of 16" galling.  
 Cost of expansion material to be included in price bid for other items.

DATE	DESCRIPTION	BY	CHECKED	IN CHARGE OF
7-8-49	Rev. Drawing Max. Pile Loading	J.F.P.		
6-22-48	Reference to pile lengths, see Std. G.H.			
Jan. 16	Gen. Notes & Std. No.			
7/13/45	Main Steel	J.F.P.		

**STANDARD PLAN**  
**REINFORCED CONCRETE PILE BENTS**  
 FOR R.C.D.G. SPANS-H20S16 LOADING  
 30'-0" CLEAR ROADWAY-16" SIDEWALKS  
 20 FT. TO 26 FT. SPANS  
 DATED January, 1945 TO BE USED WITH STD. PLAN C-5-17-20

**STATE OF LOUISIANA**  
**DEPARTMENT OF HIGHWAYS**