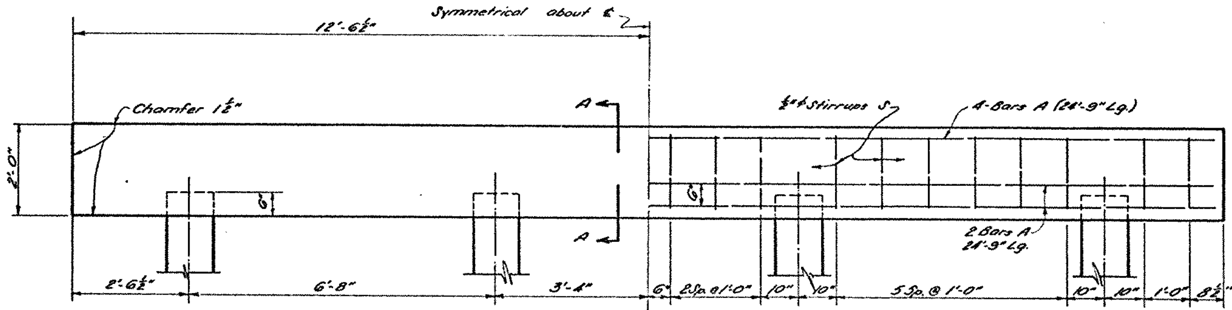
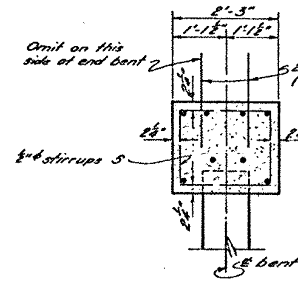
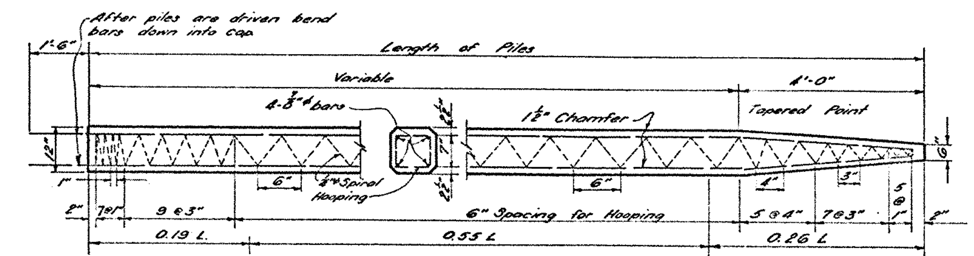
STATE PROJECT	PARISH	SHEET No



END BENT

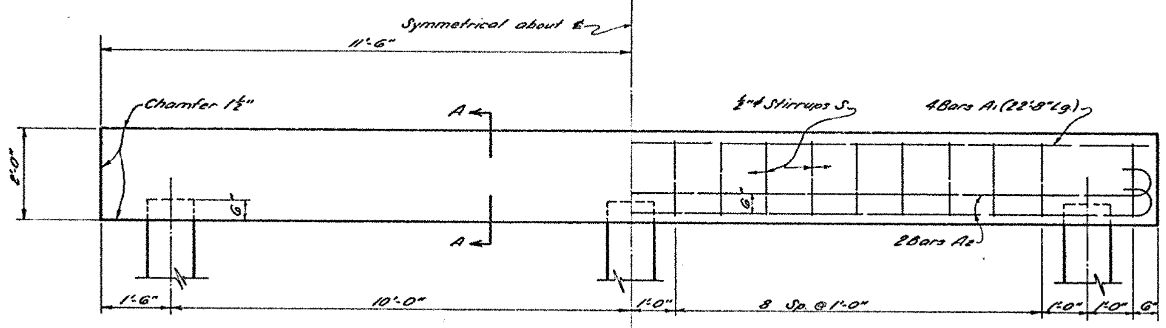


SECTION A-A

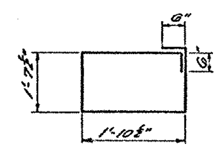


Mark piles at these points to indicate lifting points. One suspension point may be used if L is less than 16'.

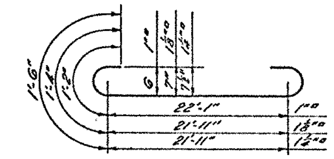
12"▫ PILE DETAIL (MAX. LG. 35')



3 PILE INTERMEDIATE BENT

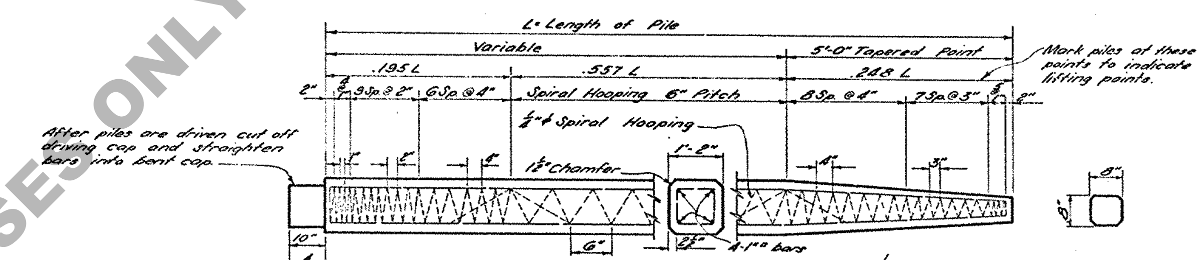


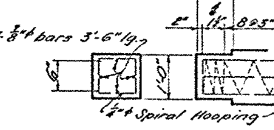
½"ϕ BARS S
8'-0" LG.



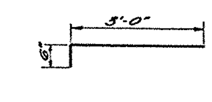
BARS A2 AND A4

SIZE OF BARS			
SPAN	A	A1 or A2	A3 or A4
20'	1"▫	1⅛"▫	
24'	1"▫	1¼"▫	1"▫
28'	1⅛"▫		1⅛"▫

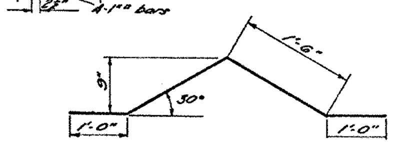




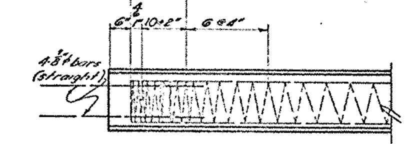
DRIVING CAP



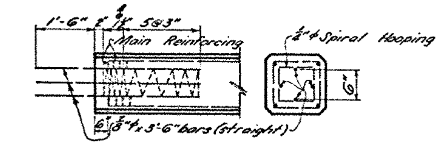
⅝"ϕ BAR 4-REQ'D EA. DRIVING CAP



⅞"ϕ BAR 2-REQ'D. PER LIFTING POINT

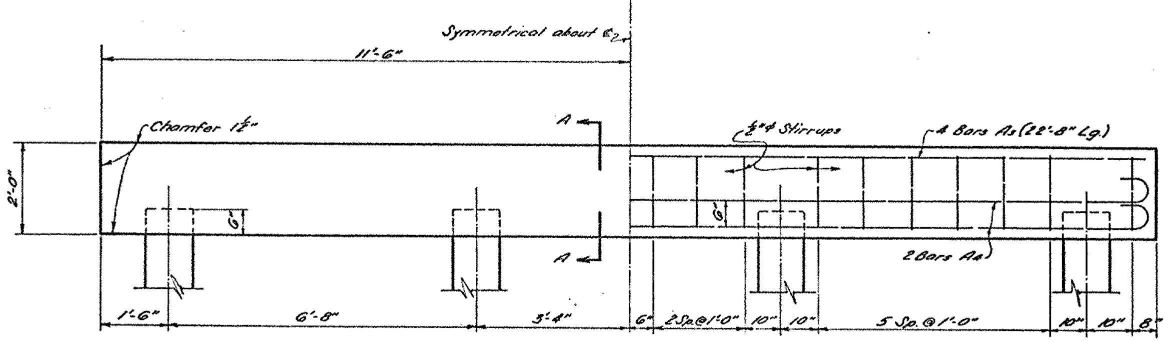


ALTERNATE DRIVING CAP



DOWELS AT END OF PILE

14"▫ PILE DETAIL (MAX. LG. 45')



4 PILE INTERMEDIATE BENT

NOTE: Maximum height ground to grade with 12"▫ conc. piles = 15'. With 14"▫ conc. piles = 20'.

GENERAL NOTES:
Construction Specs.: Latest approved La. Dept. of Highways Std. Specs.
Design Specs.: AASHO 1944.
Live load: H15-44.
Reinforcing steel shall be intermediate grade.
All concrete shall be class "A."
All dimensions to reinforcing steel are to bar centers.
Quantities computed assuming 12"▫ piles.

QUANTITIES AND PILE LOADS*									
SPAN	4 PILE END BENT			3 PILE INTERMEDIATE BENT			4 PILE INTERMEDIATE BENT		
	Class "A" Conc. Cu. Yds.	Rein. Steel Lbs.	Average Pile Load in Tons	Class "A" Conc. Cu. Yds.	Rein. Steel Lbs.**	Average Pile Load in Tons	Class "A" Conc. Cu. Yds.	Rein. Steel Lbs.**	Average Pile Load in Tons
20'	4.11	815	17.5	3.78	968	23.2	—	—	—
24'	4.11	815	19.4	3.78	1166	25.7	3.76	795	19.2
28'	4.11	994	22.0	—	—	—	3.76	968	21.9

* To provide for future extension of bridge, the end bents are designed for same load as intermediate bents.
Max. Pile Loads Unless Otherwise Instructed By Br. Design Sec.
12"▫ R.C. Piles = 24 Tons
14"▫ R.C. Piles = 28 Tons
** At expansion joint, deduct 24 lbs. of rein. steel (8 bars X @ 2'-0" lg.)

APPROXIMATE QUANTITIES FOR PILES						
PILE SIZES	DRIVING CAP TOTALS		VARIABLE PART PER LIN. FT.		TAPERED PARTS TOTALS	
	CONC. CU. YDS.	REIN. STEEL LBS.	CONC. CU. YDS.	REIN. STEEL LBS.	CONC. CU. YDS.	REIN. STEEL LBS.
12"▫	None	None	.037	9	.085	49*
14"▫	.051	36	.051	15	.170	112**

* Includes steel projecting into cap.
** Includes ⅞"ϕ bars at lifting points.

FOR INFORMATIONAL PURPOSES ONLY

DATE	DESCRIPTION	BY
7-8-49	Note Covering Max. Pile Loading	W.L.W.G.
5-3-47	PILE HOOP SPC.	SN / CEA
REVISIONS		

STANDARD PLAN
REINFORCED CONCRETE PILE BENTS
FOR R.C.D.G. SPANS H15 LOADING
20'-0" CLEAR ROADWAY 1'-6" SIDEWALKS
20 FT. - 24 FT. AND 28 FT. SPANS
TO BE USED WITH STD. PLAN C-G-75-15
DATED May 1946

STATE OF LOUISIANA
DEPARTMENT OF HIGHWAYS

DESIGNED Huey	DETAILED Huey	TRACED G. Hunt
CHECKED Nasse	CHECKED Nasse	CHECKED Nasse

IN CHARGE OF [signature] HEAD BRIDGE DRAFTSMAN

CS 178-15