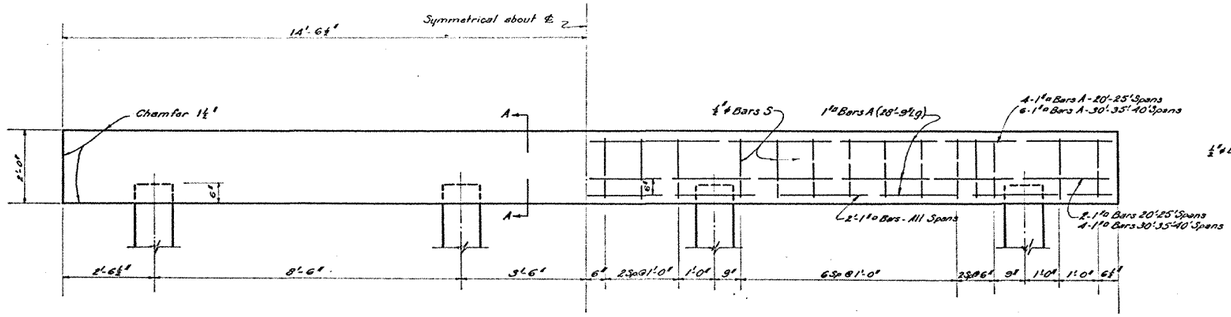
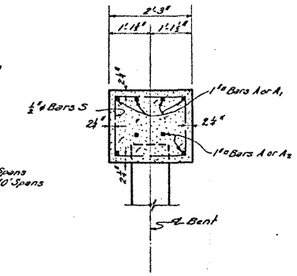
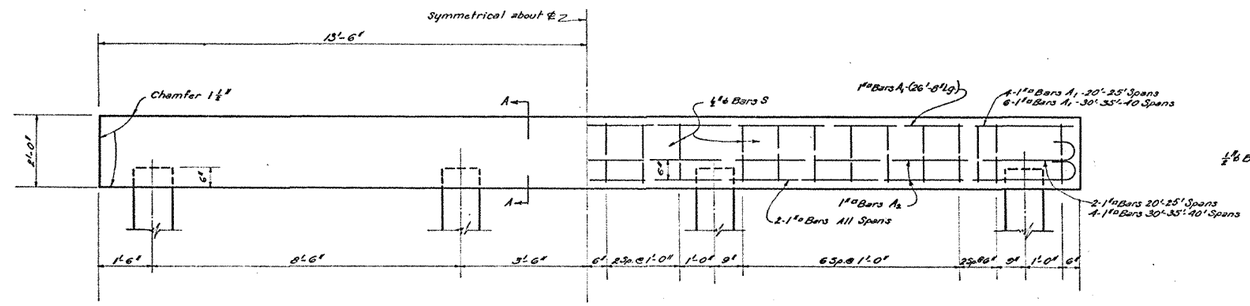
STATE PROJECT	PARISH	SHEET Nº



END BENT

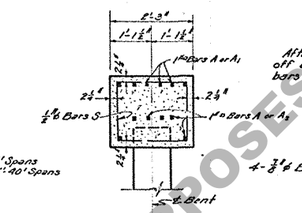


SECTION A-A
(20'-25' SPANS)

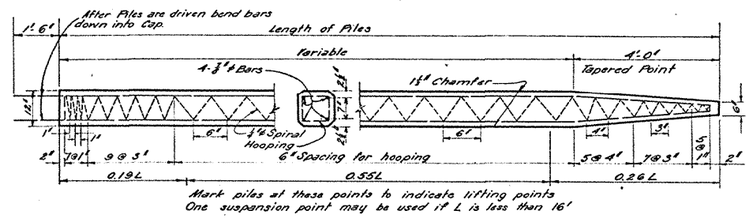


INTERMEDIATE BENT

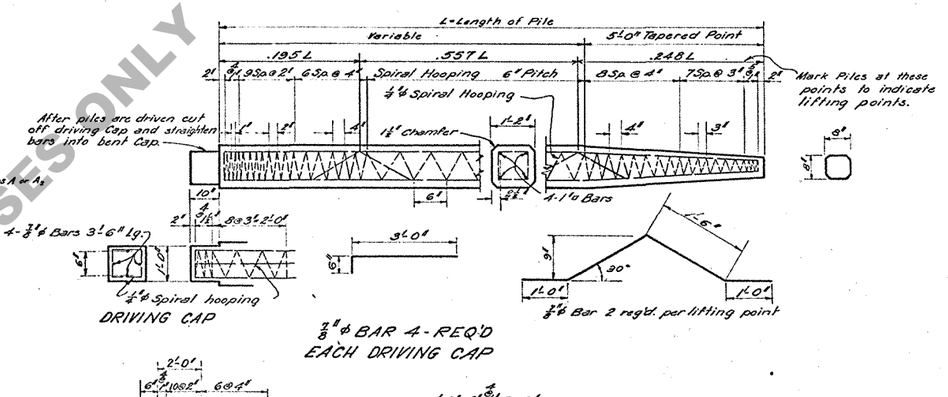
Note: Maximum height ground to grade with 12"□ conc. Piles = 15', with 14"□ Conc. Piles = 20'.

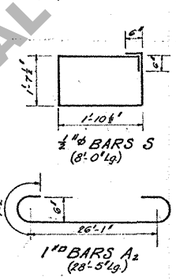


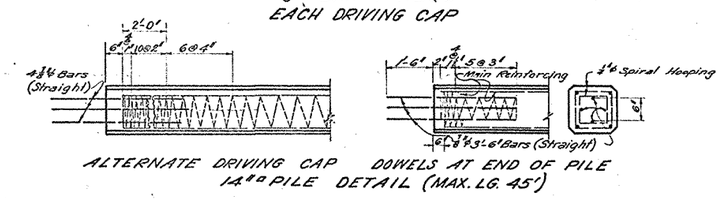
SECTION A-A
(30'-35'-40' SPANS)



12" PILE DETAIL (MAX. LG. 35')







ALTERNATE DRIVING CAP DOWELS AT END OF PILE
14"□ PILE DETAIL (MAX. LG. 45')

APPROXIMATE QUANTITIES FOR PILES						
PILE SIZES	DRIVING CAP TOTALS		VARIABLE PART PER LIN. FT.		TAPERED PART 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"□	.031	36	.051	15	.170	112 **

* INCLUDES STEEL PROJECTING INTO CAP.
** INCLUDES ⅜"ϕ BARS AT LIFTING POINTS.

QUANTITIES AND PILE LOADS *						
SPAN	END BENT			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
20'	4.77	932	18.0	4.43	889	17.8
25'	4.77	932	20.6	4.43	889	20.4
30'	4.77	1323	23.3	4.43	1263	23.1
35'	4.77	1323	26.0	4.43	1263	25.8
40'	4.77	1323	28.0	4.43	1263	27.8

* 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 Bridge Design Section.
12" □ R.C. Piles : 24 Tons
14" □ R.C. Piles : 28 Tons

GENERAL NOTES:

CONSTRUCTION SPECIFICATIONS: LATEST APPROVED L.A. DEPT. OF HIGHWAYS STANDARD SPECIFICATIONS.
DESIGN SPECIFICATIONS: A.A.S.H.O. 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.

FOR INFORMATIONAL PURPOSES ONLY

DATE	DESCRIPTION	BY
7-8-59	Note Showing Max. Pile Loading	W.D.W.G.
1/25/47	CHANGE IN DRIVING CAP	HALA/J.A.

REVISIONS

STANDARD PLAN
REINFORCED CONCRETE PILE BENTS
FOR I-BM. SPANS HIS LOADING
24'-0" CLEAR ROADWAY 1'-6" SIDEWALKS
20 FT.-25 FT.-30 FT.-35 FT. AND 40 FT. SPANS
TO BE USED WITH STD. PLAN S-C-59-15
DATED.....MAY., 1946

STATE OF LOUISIANA
DEPARTMENT OF HIGHWAYS

DESIGNED Huey	DETAILED Huey	TRACED D. Nunnally
CHECKED Treadwell	CHECKED [illegible]	CHECKED [illegible]

BRIDGE DESIGN SECTION

CS-183-15