



TYPE OF END BENT REQUIRED			
END BENT	GROUND TO GRADE FEET	SUBSOIL	BATTERED PILES
TYPE 1	0-5	Poor	0
	0-8	Good	0
TYPE 2	5-10	Poor	2
	8-16	Good	2
TYPE 3	10+	Poor	3
	16+	Good	3

END BENT QUANTITIES* DIMENSIONS AND PILE LOADS*																								
SPAN	DIMEN.	5 PILES						6 PILES						7 PILES						FAB. CARBON STEEL	SPAN			
		TYPE ONE			TYPE THREE			TYPE ONE			TYPE THREE			TYPE ONE			TYPE THREE							
		Class	Def. Reinf. Conc.	Av. Pile Load	Class	Def. Reinf. Conc.	Av. Pile Load	Class	Def. Reinf. Conc.	Av. Pile Load	Class	Def. Reinf. Conc.	Av. Pile Load	Class	Def. Reinf. Conc.	Av. Pile Load	Class	Def. Reinf. Conc.	Av. Pile Load					
40	3'-11 1/2"	15.32	3101	21.17	3562	21.14	3562	34.8	15.29	2713	21.14	3115	21.11	3099	29.0	15.26	2701	21.11	3099	21.08	3099	24.8	31/2	40
45	3'-4 1/2"	3'-2"	-	-	-	-	-	-	15.75	3148	21.57	3631	21.54	3616	31.2	15.72	3134	21.54	3616	21.51	3616	26.7	31/2	45
50	3'-7 1/2"	3'-5"	-	-	-	-	-	-	16.25	3628	22.13	4206	22.10	4191	33.5	16.21	3155	22.10	3637	22.07	3637	28.8	31/2	50
55	3'-6"	3'-5"	-	-	-	-	-	-	16.24	3628	22.10	4206	22.07	4191	35.8	16.21	3616	22.07	4191	22.04	4191	30.7	31/2	55

\* To provide for future extension of Bridge, the End Bents are designed for same Load as Intermediate Bents.  
 \*\* When not using Approach Slab add 240 Lbs. of Fabricated Carbon Steel.

INTERMEDIATE BENT QUANTITIES AND PILE LOADS										
SPAN	5 PILES			6 PILES			7 PILES			SPAN
	Class	Def. Reinf. Conc.	Av. Pile Load	Class	Def. Reinf. Conc.	Av. Pile Load	Class	Def. Reinf. Conc.	Av. Pile Load	
	Feet	Cu Yds.	Lbs.	Tons	Cu Yds.	Lbs.	Tons	Cu Yds.	Lbs.	
40	7.30	1693	34.6	7.28	1396	29.0	7.23	1396	24.8	40
45	-	-	-	7.29	1718	31.2	7.25	1718	26.7	45
50	-	-	-	7.33	2079	33.5	7.29	1718	28.8	50
55	-	-	-	7.29	2079	35.8	7.25	2079	30.7	55

Max. Pile Loads Unless Otherwise Indicated by Br. Design Section.  
 14" A.C. Piles = 28 Tons  
 16" A.C. Piles = 32 Tons  
 18" A.C. Piles = 36 Tons

GENERAL NOTES:-  
 Construction Specifications; Latest approved La. Hwy. Std. Specs. Design Specifications; A.A.S.H.O. 1944.  
 Live Load; H20-S16-44.  
 All Dimensions to Reinforcing Steel are to Bar Centers. Quantities computed assuming use of 16" Piling. Cost of Expansion Material to be included in price bid for other items.  
 All Reinforcing Steel to be Intermediate Grade.

For Details of Concrete Piles see Std. Plan C-S-149.

STANDARD PLAN  
 REINFORCED CONCRETE PILE BENTS  
 FOR 1-BM. SPANS - H20-S16-44 LOADING  
 30'-0" CLEAR ROADWAY 1'-6" SIDEWALKS  
 40' THRU 55' SPANS  
 TO BE USED WITH STD. PLAN S-C-42-20 REVISED  
 DATED May, 1947

STATE OF LOUISIANA DEPARTMENT OF HIGHWAYS			
DATE	DESCRIPTION	CHECKED	BY
11-26-51	Cover RE Added	10/21/51	J.C.C.
7-8-49	Reinforcing Bar Schedule	7/8/49	J.C.C.
6-12-48	Reference to pile piles applied	6/12/48	G.H.

BRIDGE DESIGN SECTION

C-S-62B-20