



TYPE OF END BENT REQUIRED			
END BENT TYPE	GROUND TO GRADE (FT)	SUBSOIL	BATTERED PILES
TYPE 1	0-5	POOR	0
	5-10	GOOD	0
TYPE 2	5-10	POOR	2
	10+	GOOD	2
TYPE 3	10+	POOR	3
	15+	GOOD	3

QUANTITIES AND PILE LOADS				
ITEM TYPE	SIZE OF BARS A, A1 & A2	CLASS "A" CONCRETE (CU. YDS)	DEFORMED REINFORCING STEEL (LBS)	AVERAGE PILE LOAD (TONS)
4-PILE END BENT				
1	#9	11.88	2047	20.4
2	#9	12.87	2424	20.4
3	#9	13.96	2612	20.4
5-PILE END BENT				
1	#7	11.85	1501	22.7
2	#7	12.85	1884	22.7
3	#7	13.85	2072	22.7
INTERMEDIATE BENT				
4-PILE	#9	9.20	1602	20.4
5-PILE	#7	9.17	1744	22.7

* Quantities Computed Assuming 14" R.C. Piles.
 * To provide for future expansion of bridge, End Bents are designed for same loads as Intermediate Bents.
 * If fixed ends occur on an Intermediate Bent, where fixed ends occur on an Intermediate Bent.

GENERAL NOTES:
 CONSTRUCTION SPECIFICATIONS: Latest Approved Louisiana Dept. of Highways Standard Specifications.
 DESIGN SPECIFICATIONS: A.S.T.M. Standard Specifications for Highway Bridges 1933 as Amended to Dec. 31, 1935.
 LIVE LOAD: H20-S16-44.
 Reinforcement Bars shall be Intermediate or Hard Grade, A.S.T.M. A15 or Rail Steel, A.S.T.M. A15 conforming with A.S.T.M. A305.
 Dimensions, including tie spacing, shall be to bar center.
 All concrete to be Class "A".
 All exposed ends of #6 Dowels to be wrapped with 2 layers of 15# Tar Paper Clove Wrapping Tubing made of compressible material not less than 1/4" thick.
 Details of concrete piles see Standard Plan as shown on General Plan.
 Maximum pile load unless otherwise instructed by Bridge Designer's section: 15" R.C. Piles = 24 Tons per Pile.
 16" R.C. Piles = 35 Tons per Pile.
 Concrete used in SIDEWALK CURB FLARE and HANDRAIL FLARE are included in Bent Cap Quantities and shall be as part of the Bent.
 Chamfer all exposed corners 1/4" unless otherwise noted.
 Tar Paper Wrappings to be included in price bid for Class "A" Concrete.
 DESIGN TAKEN FROM CI-75-20 DATED MARCH 1937

STANDARD PLAN PRECAST CONCRETE PILE BENTS FOR 20'-0" CONCRETE SLAB SPANS LIVE LOAD H20-S16-44 28'-0" ROADWAY 1'-6" SIDEWALKS			
DATED Feb. 8, 1935			
STATE OF LOUISIANA DEPARTMENT OF HIGHWAYS			
DESIGNED	DRAWN	CHECKED	APPROVED
CHECKED	CHECKED	CHECKED	CHECKED
DATE	DESCRIPTION	BY	
REVISIONS			