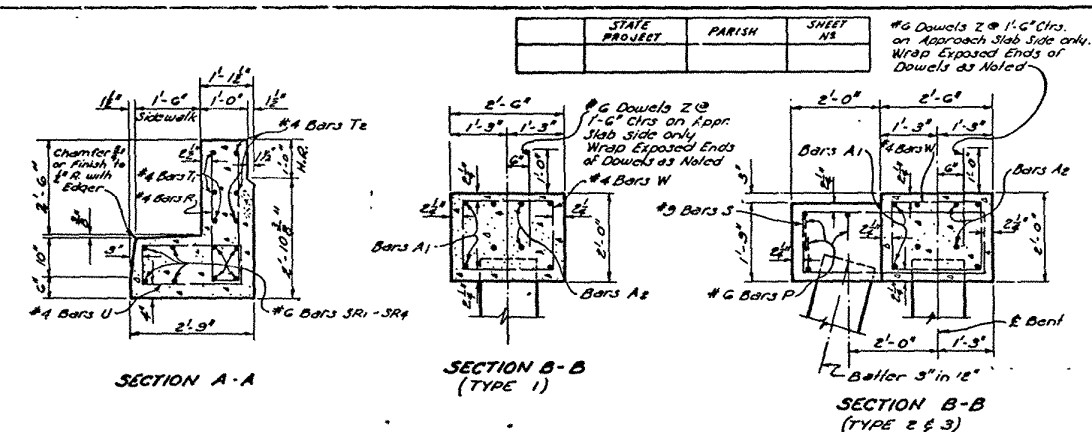




TYPE OF END BENT REQUIRED			
END BENT	GROUND TO GRADE (FT)	SUBSOIL	BATTERED PILES
TYPE 1	0 - 5	POOR	0
	6 - 8	GOOD	
TYPE 2	5 - 10	POOR	2
	8 - 16	GOOD	
TYPE 3	10*	POOR	3
	16*	GOOD	

QUANTITIES AND PILE LOADS				
ITEM TYPE	SIZE OF BARS A, A ₁ , F A ₂	CLASS A* CONCRETE (CU. YDS.)	DEFORMED REIN. STEEL (LBS.)	AV. PILE LOAD (TONS)
4 PILE END BENT F				
TYPE 1	#8	11.18	1557	30.4
TYPE 2	#8	12.16	1934	30.4
TYPE 3	#8	12.65	2122	30.4
5 PILE END BENT F				
TYPE 1	#7	11.18	1375	24.4
TYPE 2	#7	12.17	1752	24.4
TYPE 3	#7	12.66	1940	24.4
INTERMEDIATE BENTS				
4 PILE	#8	7.40	1079	30.4
5 PILE	#7	7.40	903	24.4

- * Quantities Computed assuming 14" RC Pile for a 5-Pile Bent & 16" RC Pile for a 4-Pile Bent.
- † To provide for future extension of Bridge End Bents are Designed for same load as Intermediate Bents.
- Add 71 Lbs. Reinforcing Steel (21-#6 Dowels Z) when 2 Fixed Ends occur on an Intermediate Bent.

GENERAL NOTES:
CONSTRUCTION SPECIFICATIONS: Latest Approved Lb. Dept. of Highways Standard Specifications.
DESIGN SPECIFICATIONS: A.A. S.H.O. Standard Specifications for Highway Bridges 1953 as amended to Dec 31, 1955.
 Live Load: H20 - S16 - 44 (Modified)
 Reinforcement Bars shall be Intermediate or Hard Grade, A-317, A15 or Rail Steel, A-317M, A16, conforming with A-317M A30.
 Deformed Bars: Reinforcing Steel are K-Bar Centers.
 All concrete to be Class "A".
 All exposed ends of #6 Dowels to be wrapped with 2 layers of 15" Tar Paper.
 Close Fitting Tubes made of Compressible Material not less than 1/8" thick may be substituted.
 For Details of Concrete Piles see Std. Plan as shown on Gen. Plan.
 Reinforcement Bars shall be as follows unless otherwise instructed by Bridge Design Section:
 14" R.C. Piles = 28 Tons per Pile.
 16" R.C. Piles = 32 Tons per Pile.
 Concrete and Steel in SIDEWALK CURB FLARE and HANDRAIL FLARE are included in Bent Cap Quantities and are to be paid for as part of the Bent.
 Chapered or Expanded Corners 3" unless otherwise noted.
 Tar Paper: Windings to be included in Price Bid for Class "A" Concrete.

DESIGN TAKEN FROM STD. PLAN
I-BCFS15G-60-28T
DATED JUNE 2, 1957

BRIDGES OVER 150 FT.

STANDARD PLAN
PRECAST CONCRETE PILE BENTS
 FOR 20' CONCRETE SLAB SPANS
 LIVE LOAD H20-S16-44 MODIFIED
 28'-0" ROADWAY 1'-6" SIDEWALKS

DATED July 2, 1957 2-LANE RDWY

STATE OF LOUISIANA
DEPARTMENT OF HIGHWAYS

11-24-59	Live, Quantities, Pile Loads	W.G.M.	DESIGNED	DETAILED <i>E.P. Lamm</i>	TRACED <i>C. Hinkley</i>
DATE	DESCRIPTION	BY	CHECKED	CHECKED <i>Bayman</i>	CHECKED <i>Robinson</i>
REVISIONS			BRIDGE DESIGN SECTION		