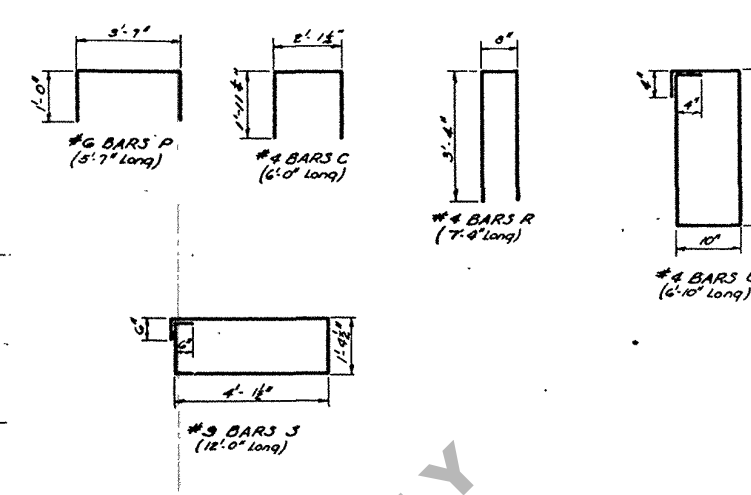
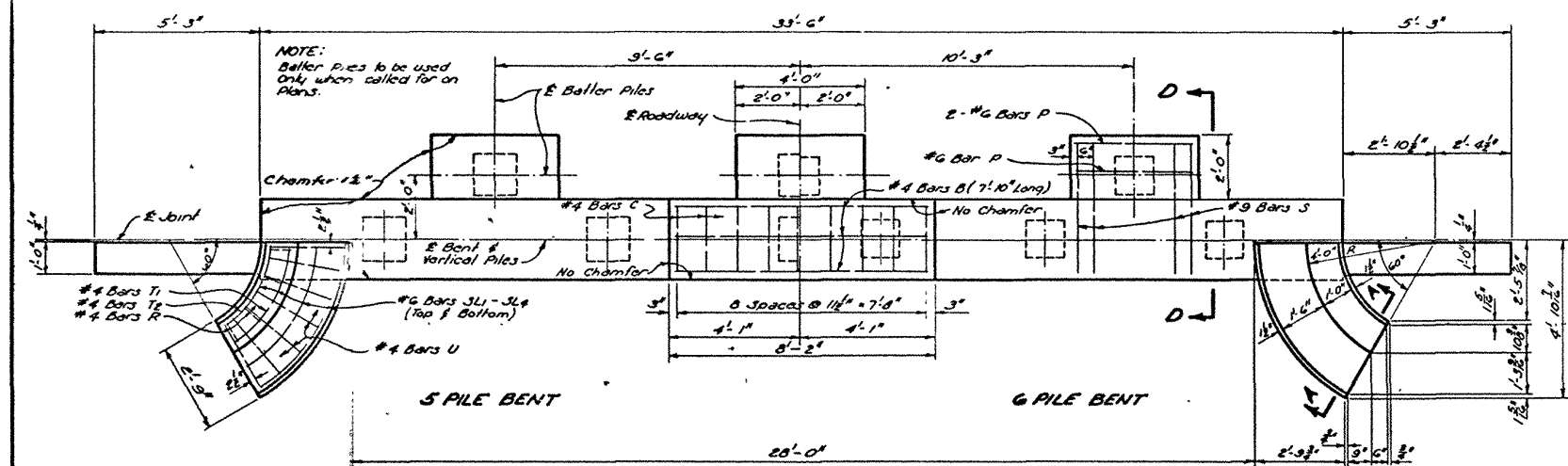


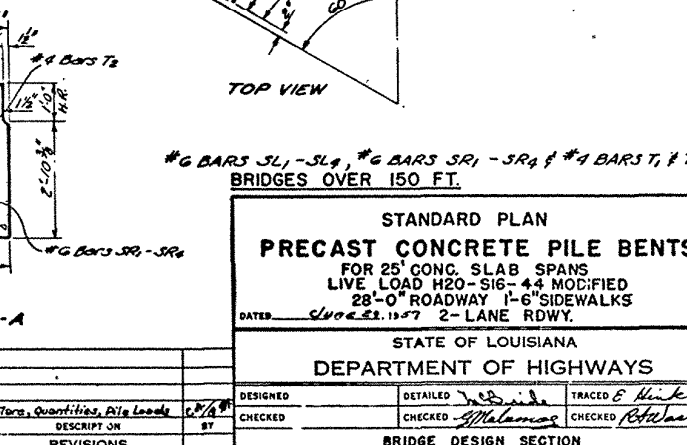
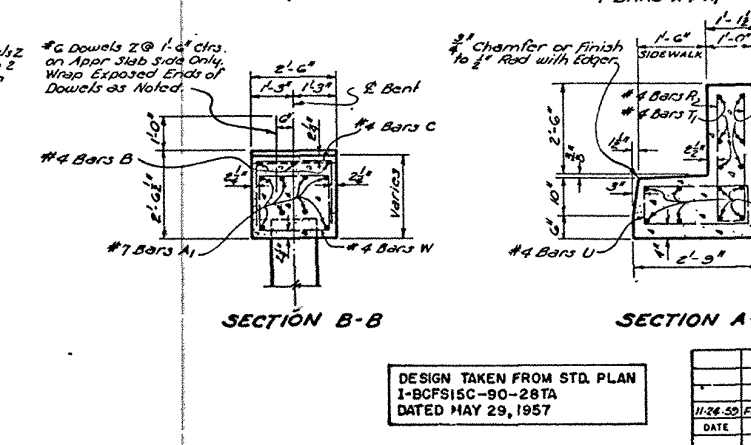
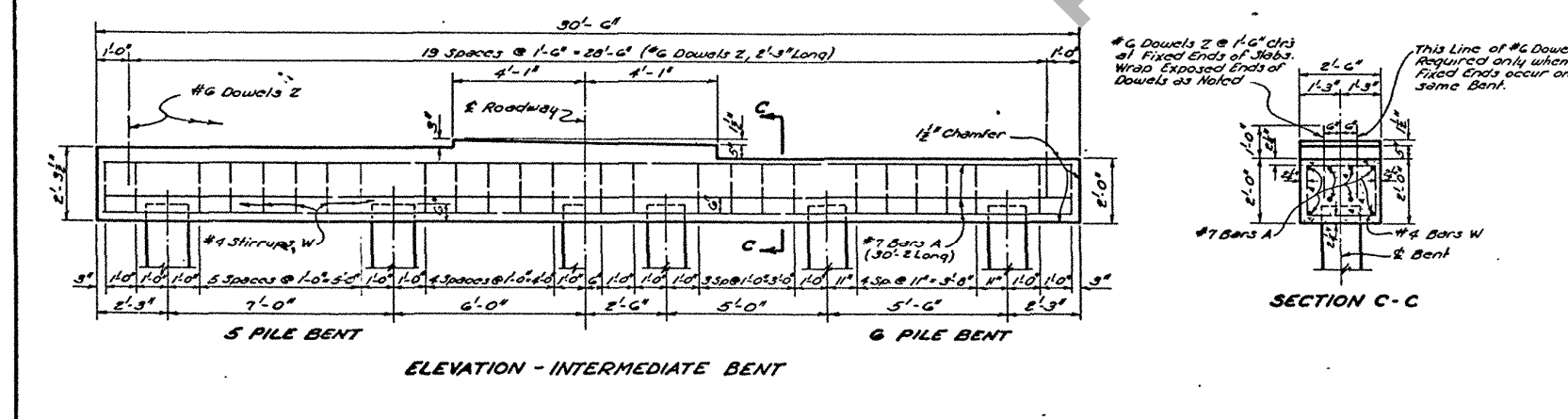
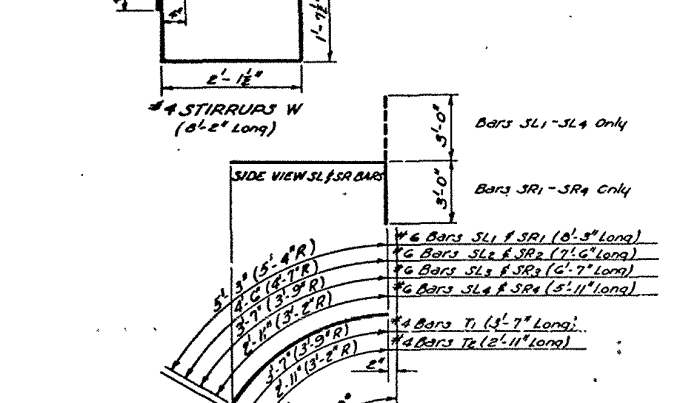
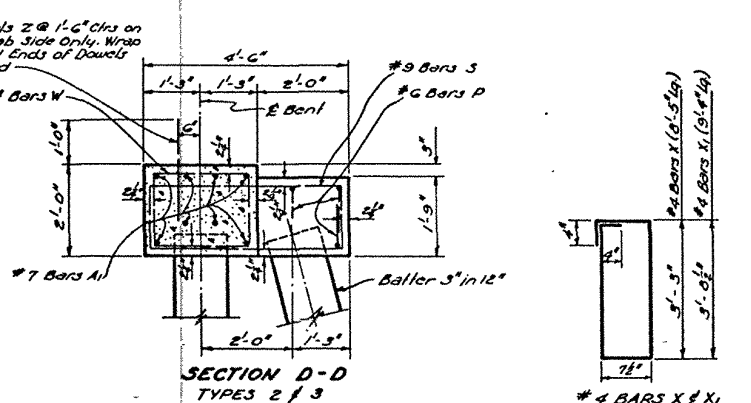
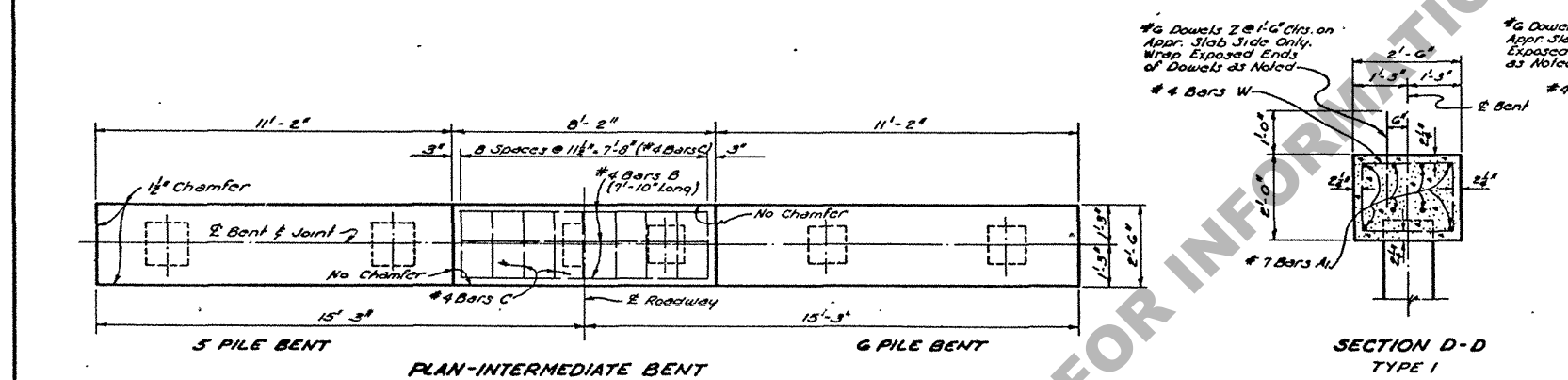
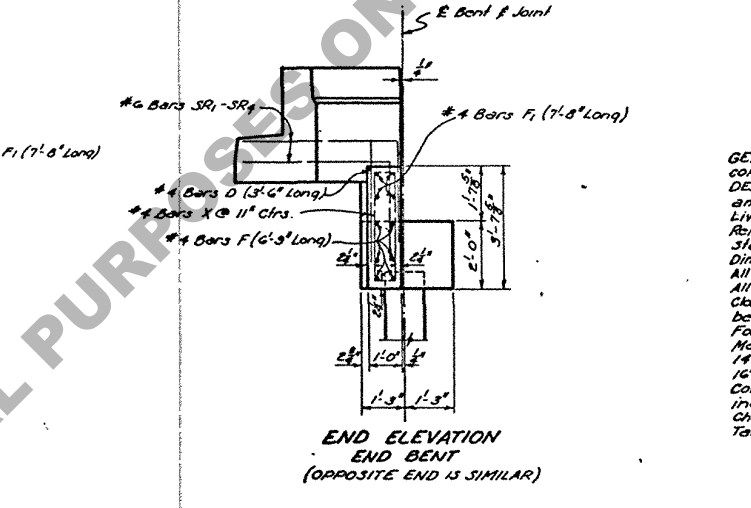
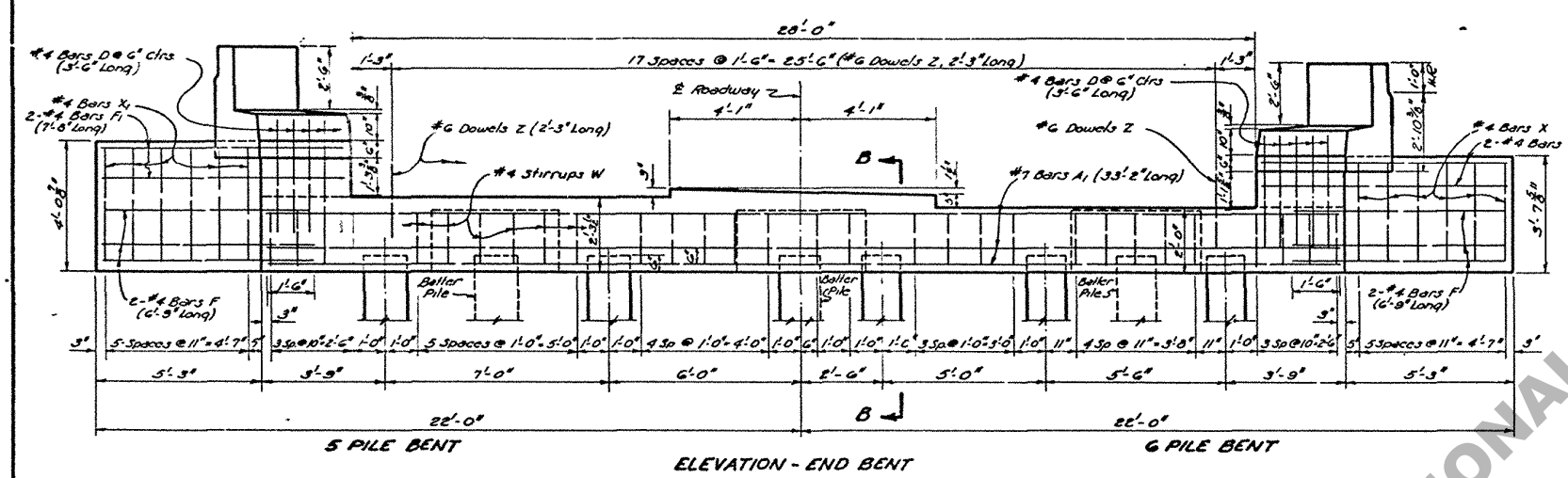


TYPE OF END BENT REQUIRED			
END BENT	GROUND TO GRADE (FEET)	SUBSOIL	BATTERED PILES
TYPE 1	0-5	POOR	0
	0-8	GOOD	
TYPE 2	5-10	POOR	2
	8-16	GOOD	
TYPE 3	10+	POOR	3
	16+	GOOD	

QUANTITIES AND PILE LOADS				
ITEM	SIZE OF BARS	CLASS "A" REINFORCING STEEL (CU. YDS)	DEFORMED REINFORCING STEEL (CU. YDS)	AVERAGE PILE LOAD (TONS)
5 PILE END BENT				
TYPE 1	#7	10.36	1307	30.9
TYPE 2	#7	10.34	1684	30.9
TYPE 3	#7	11.82	1872	30.9
6 PILE END BENT				
TYPE 1	#7	10.36	1307	25.8
TYPE 2	#7	11.37	1684	25.8
TYPE 3	#7	11.86	1872	25.8
INTERMEDIATE BENT				
5-PILE	#7	6.15	755	30.9
6-PILE	#7	6.16	755	25.8

* Quantities Computed assuming 14" RC Piles for a 5 Pile Bent and 16" RC Piles for a 6 Pile Bent.
 * To provide for future extension of Bridge End Bents are designed for same load as Intermediate Bents.
 * Add 6% of Reinforcing Steel (20" #6 Dowels Z) when 2 Fixed Ends occur on an Intermediate Bent.

GENERAL NOTES:
 CONSTRUCTION SPECIFICATIONS: Latest Approved La Dept. of Highways Std. Specs. amended to Dec. 31, 1955.
 LIVE LOAD: H20-S16-44 (Modified).
 Reinforcement Bars shall be Intermediate or Hard Grade, A.S.T.M. A15 or Rail Steel, A.S.T.M. A16 conforming with A.S.T.M. A305.
 Dimensions relating to Reinforcing Steel are to Bar Centers.
 All Exposed Ends of #6 Dowels Z 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 Standard Plan as Shown on General Plan.
 Maximum Pile Load unless otherwise instructed by Bridge Design Section 14" RC Piles = 25 Tons per Pile.
 16" RC Piles = 35 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. Chamfer All Exposed Corners 3/4" unless otherwise Noted.
 Tar Paper Wrappings to be included in Price Bid for Class "A" Concrete.



DESIGN TAKEN FROM STD. PLAN
 I-BCFS15C-90-28TA
 DATED MAY 29, 1957

STANDARD PLAN PRECAST CONCRETE PILE BENTS FOR 25' CONC. SLAB SPANS LIVE LOAD H20-S16-44 MODIFIED 28'-0" ROADWAY 1'-6" SIDEWALKS			
DATE: 5/20/57 2-LANE RDWY.			
STATE OF LOUISIANA DEPARTMENT OF HIGHWAYS			
DESIGNED	DETAILED	TRACED & CHECKED	
CHECKED	CHECKED	CHECKED	
BRIDGE DESIGN SECTION			

I-BCFS15A-90-28TA