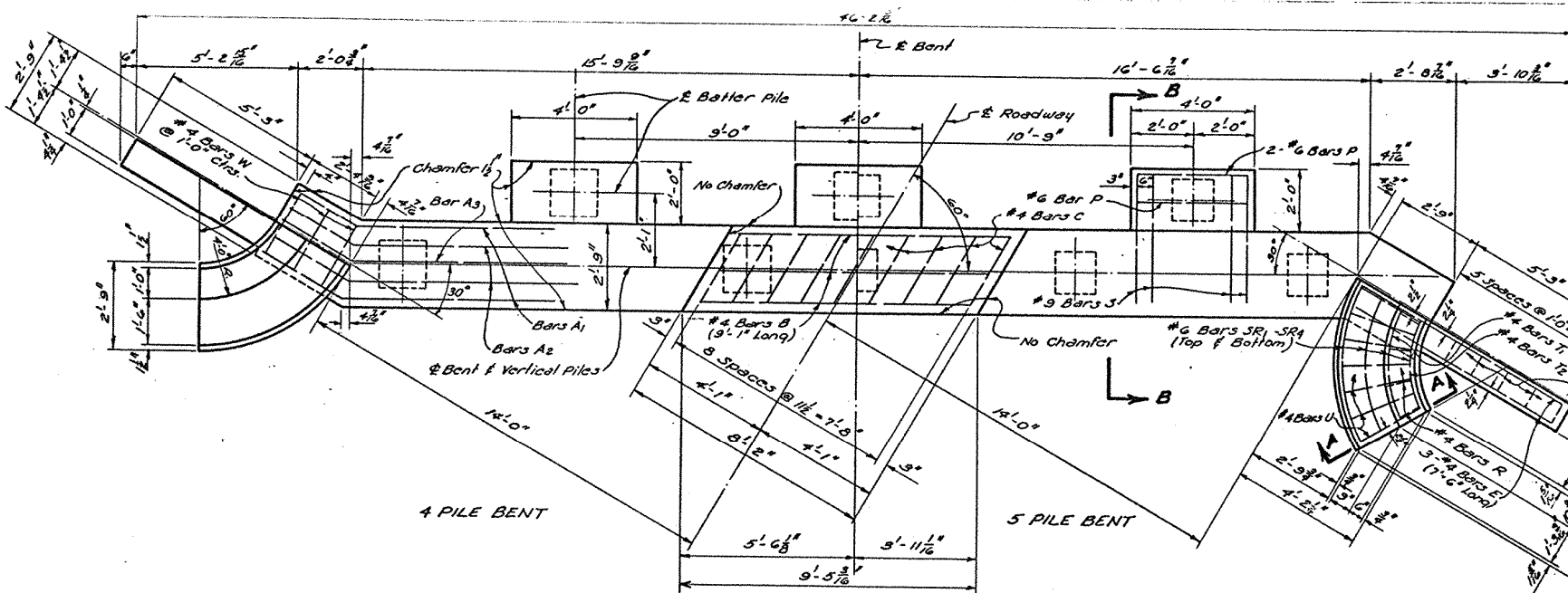
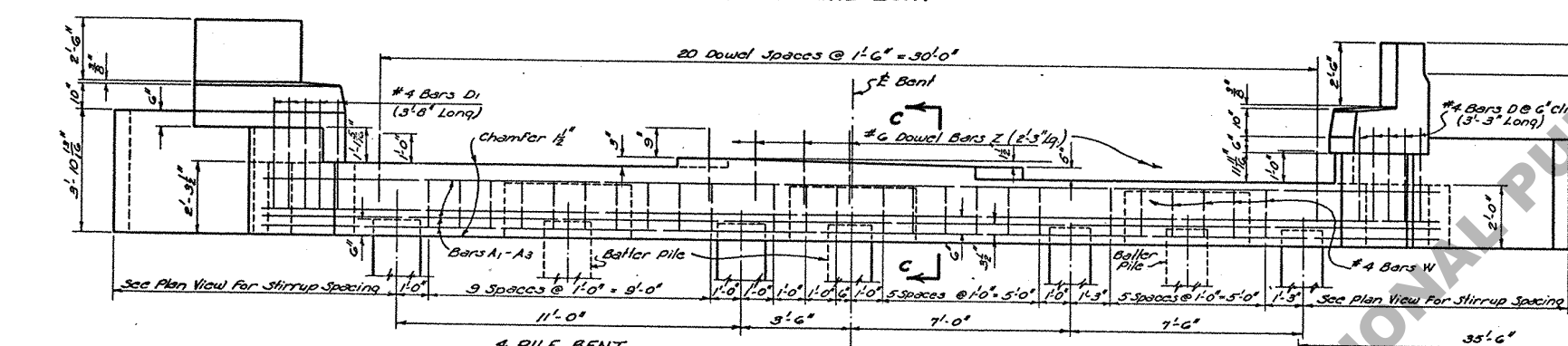
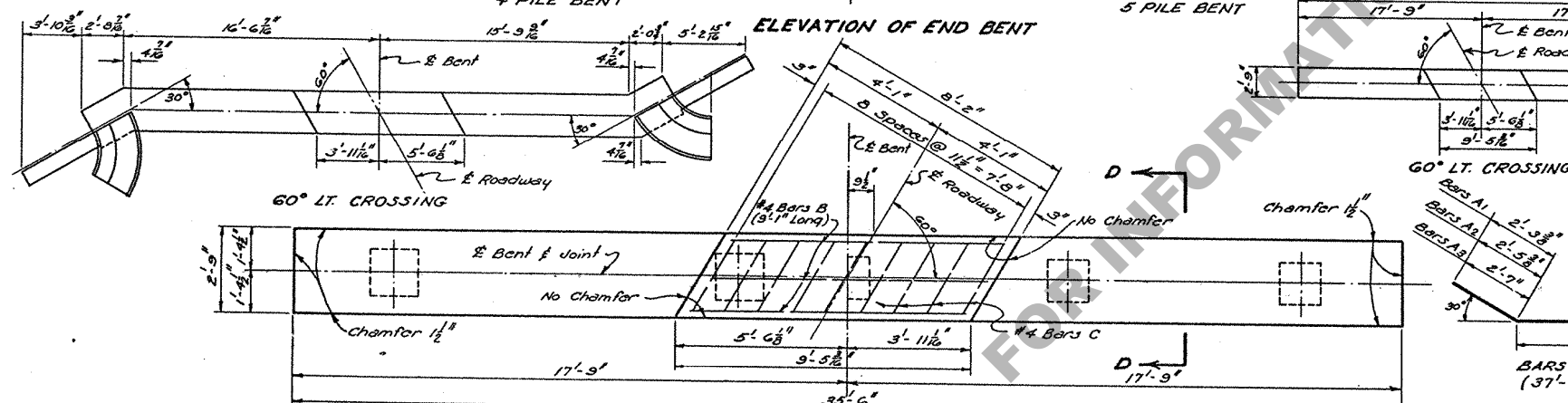




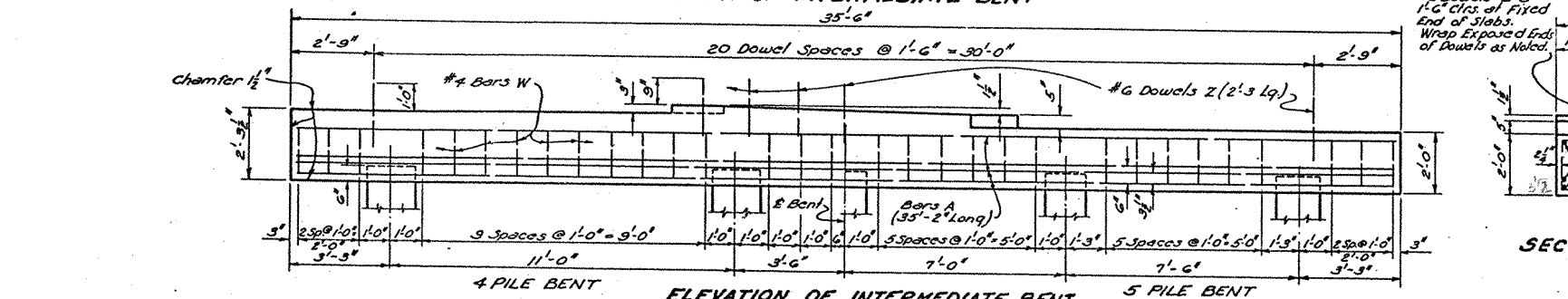
PLAN OF END BENT



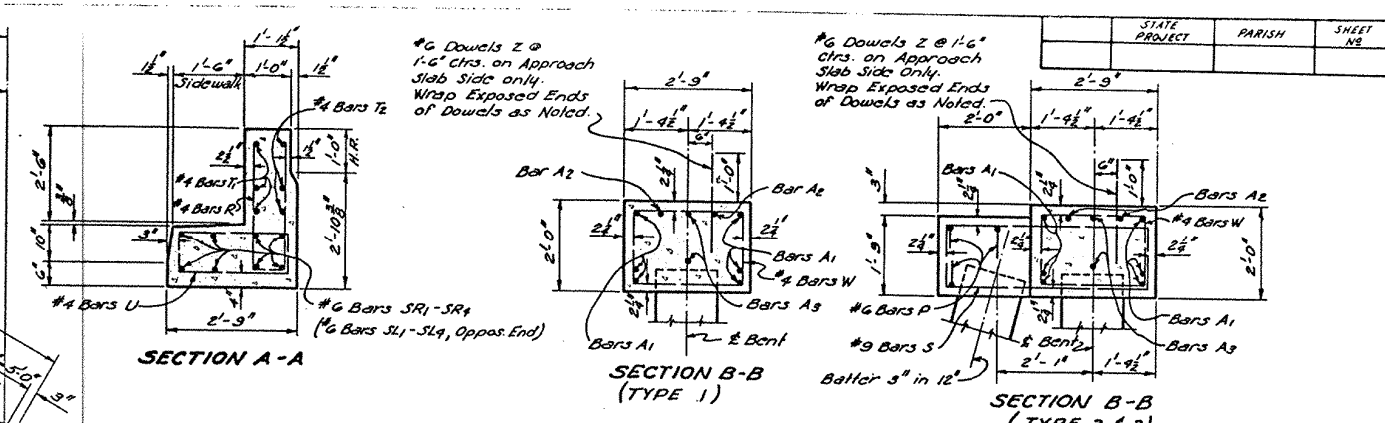
ELEVATION OF END BENT



PLAN OF INTERMEDIATE BENT



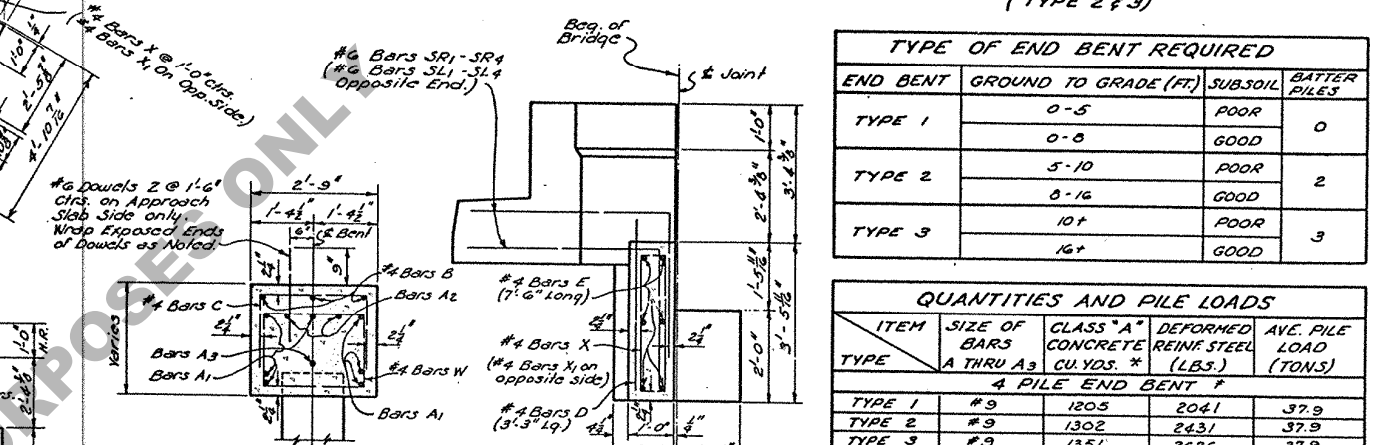
ELEVATION OF INTERMEDIATE BENT



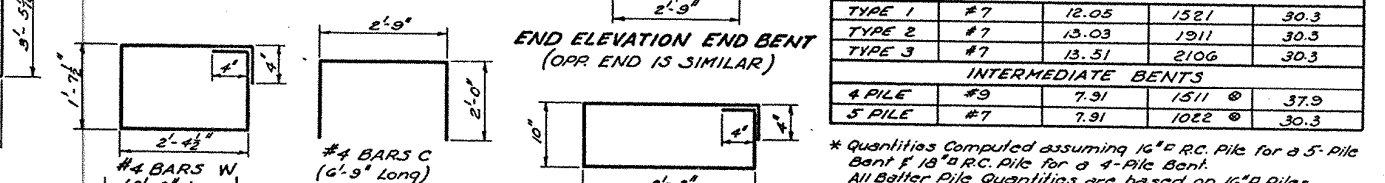
SECTION A-A

SECTION B-B (TYPE 1)

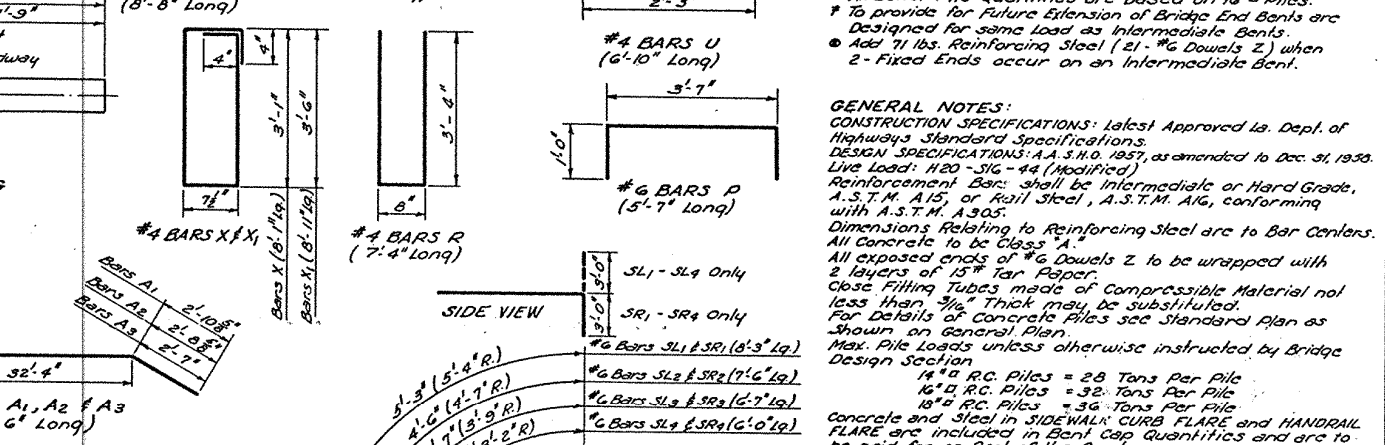
SECTION B-B (TYPE 2 f.3)



SECTION C-C

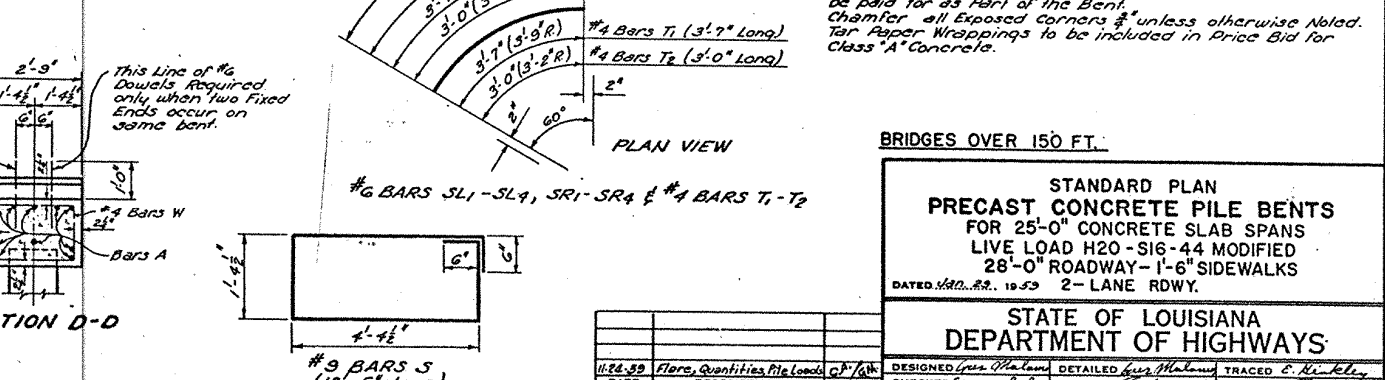


END ELEVATION END BENT (OPP END IS SIMILAR)



SIDE VIEW

PLAN VIEW



SECTION D-D

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

QUANTITIES AND PILE LOADS				
ITEM	SIZE OF BARS	CLASS "A" CONCRETE	DEFORMED REINSTEEL	AVE. PILE LOAD (TONS)
TYPE	A THRU A3	CU. YDS. *	(LBS.)	
4 PILE END BENT				
TYPE 1	#9	1205	2041	37.9
TYPE 2	#9	1302	2431	37.9
TYPE 3	#9	1351	2626	37.9
5 PILE END BENT				
TYPE 1	#7	12.05	1521	30.3
TYPE 2	#7	13.03	1911	30.3
TYPE 3	#7	13.51	2106	30.3
INTERMEDIATE BENTS				
4 PILE	#9	7.91	1511	37.9
5 PILE	#7	7.91	1022	30.3

* Quantities Computed assuming 16" R.C. Pile for a 5-Pile Bent & 18" R.C. Pile for a 4-Pile Bent.
 All Batter Pile Quantities are based on 16" R.C. Piles.
 † To provide for future Extension of Bridge End Bents are designed for same load as Intermediate Bents.
 • Add 11 lbs. Reinforcing Steel (21" #6 Dowels Z) when 2-Fixed Ends occur on an Intermediate Bent.

GENERAL NOTES:
 CONSTRUCTION SPECIFICATIONS: Latest Approved La. Dept. of Highways Standard Specifications.
 DESIGN SPECIFICATIONS: A.A. 510, 1957, as amended to Dec. 31, 1959.
 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 concrete to be Class 40.
 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 3/16" Thick may be substituted.
 For Details of Concrete Piles see Standard Plan as shown on General Plan.
 Max. Pile Loads unless otherwise instructed by Bridge Design Section:
 14" R.C. Piles = 28 Tons Per Pile
 16" R.C. Piles = 32 Tons Per Pile
 18" R.C. Piles = 36 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 & unless otherwise noted, Tar Paper Wrappings to be included in Price Bid for Class "A" Concrete.

BRIDGES OVER 150 FT.

STANDARD PLAN			
PRECAST CONCRETE PILE BENTS			
FOR 25'-0" CONCRETE SLAB SPANS			
LIVE LOAD H20-S16-44 MODIFIED			
28'-0" ROADWAY-1'-6" SIDEWALKS			
DATED <i>Mar. 22, 1959</i>		2-LANE RDWY.	
STATE OF LOUISIANA			
DEPARTMENT OF HIGHWAYS			
DESIGNED <i>Geo. Matheis</i>	DETAILED <i>Geo. Matheis</i>	TRACED <i>C. H. Kelley</i>	BY <i>Geo. Matheis</i>
CHECKED <i>Conroy Smith</i>	CHECKED <i>Matheis</i>	CHECKED <i>Matheis</i>	

I-BCFSI5A-60-28TA