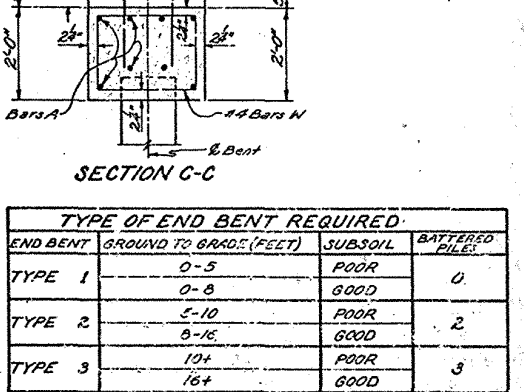
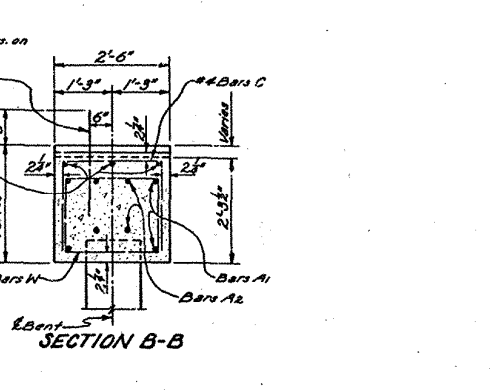
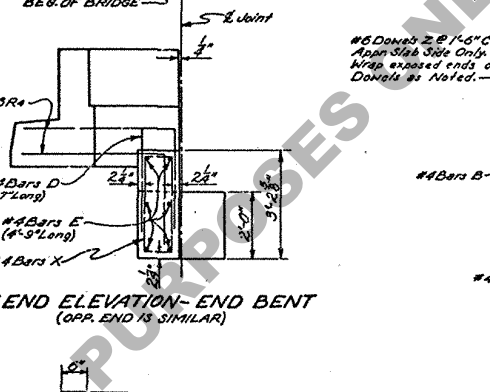
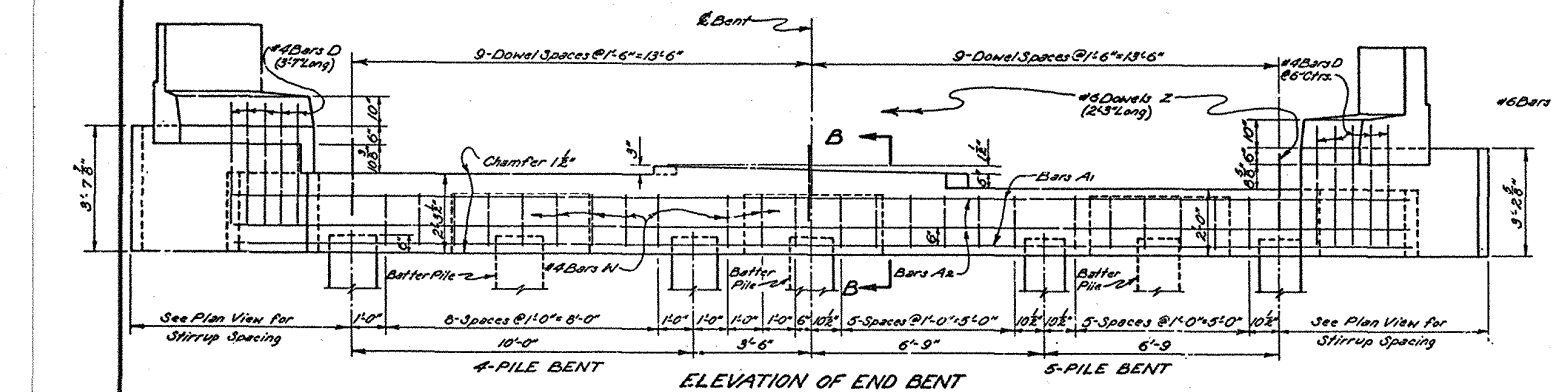
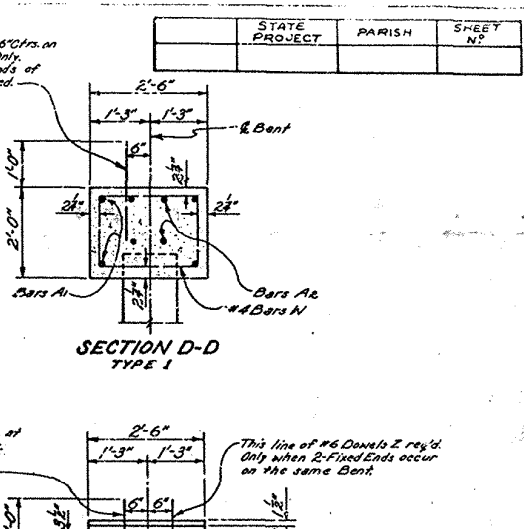
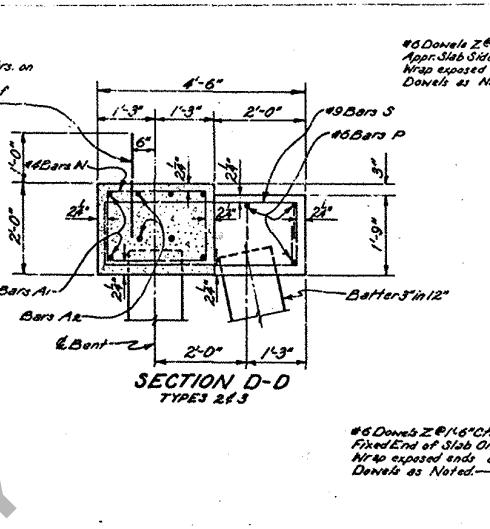
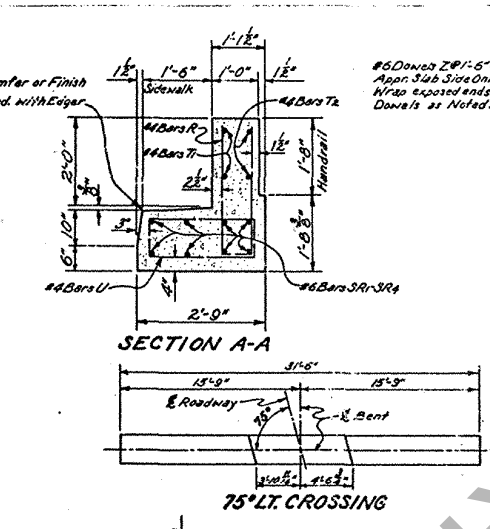
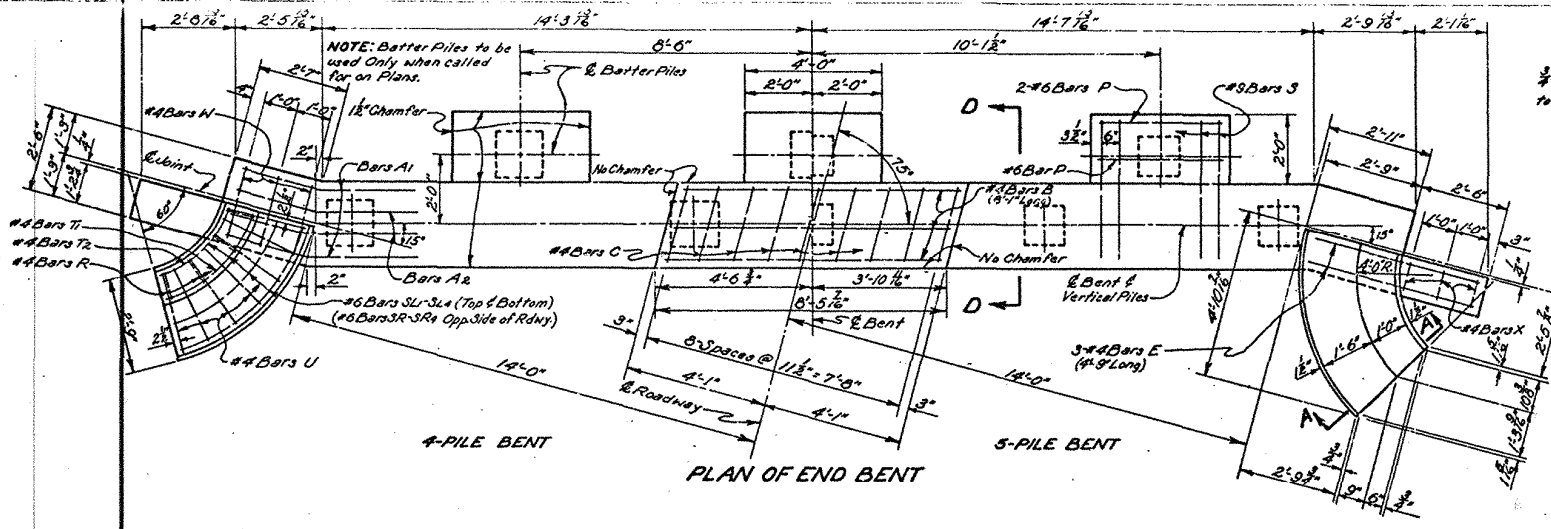




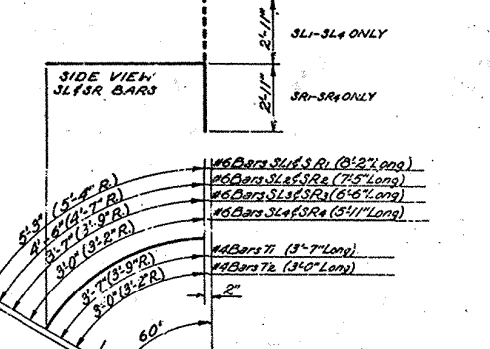
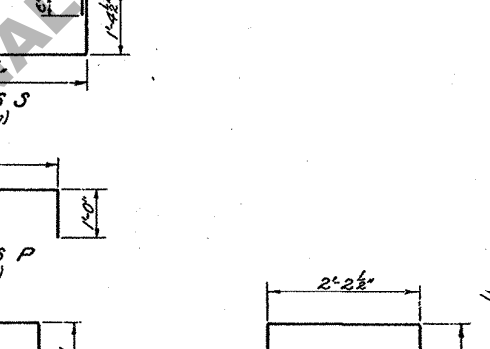
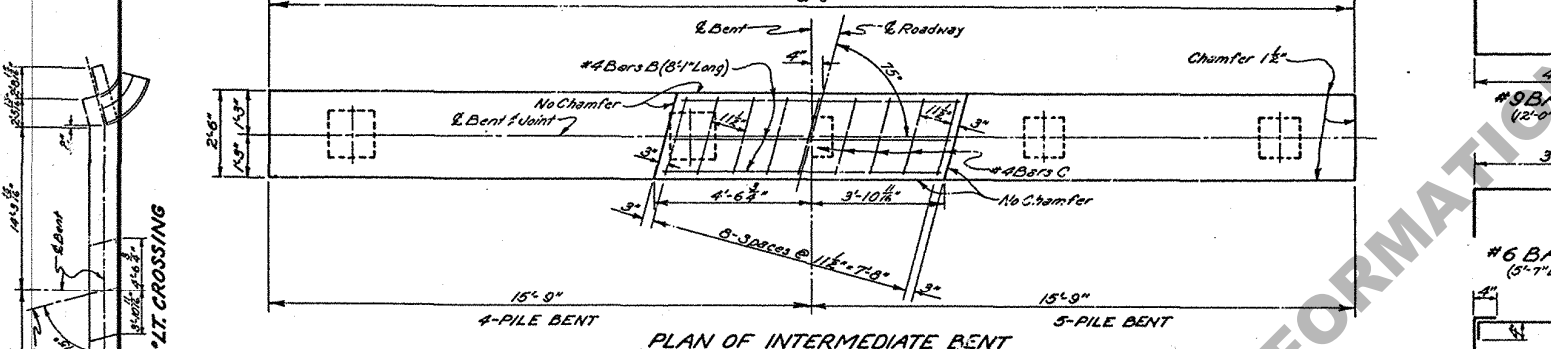
TYPE OF END BENT REQUIRED

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
	8-15	GOOD	2
TYPE 3	10+	POOR	3
	16+	GOOD	3

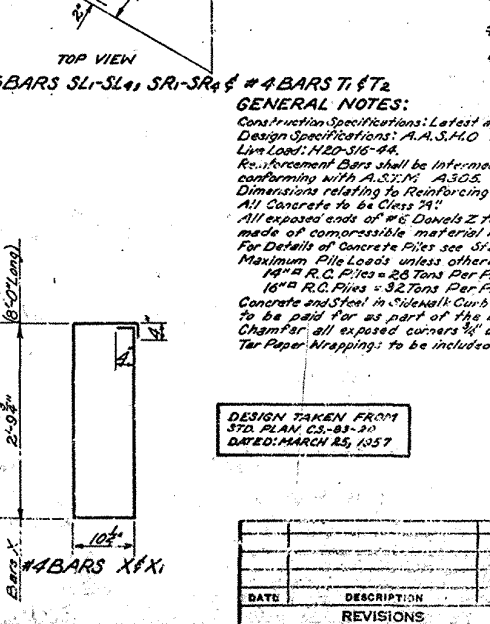
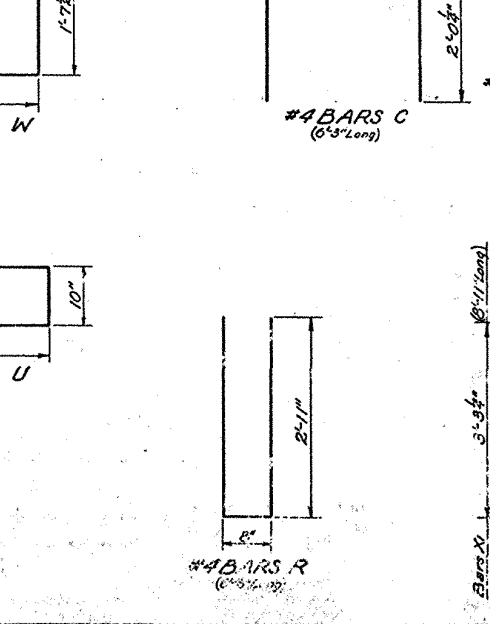
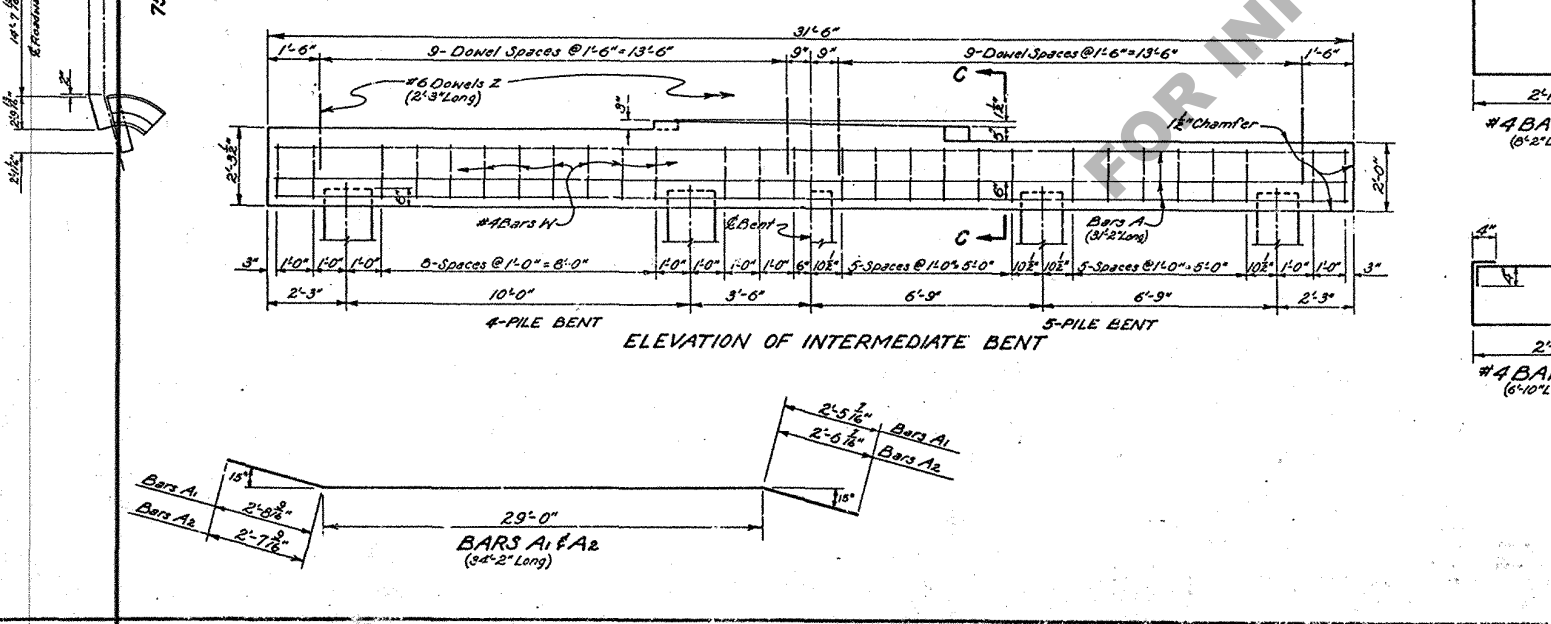
QUANTITIES AND PILE LOADS

ITEM	SIZE OF PILES	CLASS 55# CONCRETE (CU. YDS.)	CLASS 60# REINFORCING STEEL (LBS.)	AVERAGE PILE LOAD (TONS)
4-PILE END BENT				
TYPE 1	#10	3.66	1549	22.5
TYPE 2	#9	12.66	1965	22.5
TYPE 3	#8	11.14	2163	22.5
5-PILE END BENT				
TYPE 1	#7	3.69	219	22.5
TYPE 2	#7	10.66	595	22.2
TYPE 3	#7	11.17	1783	22.2
INTERMEDIATE BENT				
4-PILE	#9	6.19	1123	20.5
5-PILE	#7	6.38	785	22.6

* Quantities computed assuming 14" R.C. Piles for a 5-Pile Bent and 16" R.C. Piles for a 4-Pile Bent.
 † To provide for future extension of Bridge, End Bents are designed for same load as Intermediate Bents.
 ‡ Add 68' of Reinforcing Steel (20' #6 Dowels, 2' when 2-Fixed Ends occur on an Intermediate Bent.



GENERAL NOTES:
 Construction Specifications: Latest approved La. Dept. of Highway Standard Specifications.
 Design Specifications: A.A.S.H.O. 1953 as amended to Dec. 31, 1955.
 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. A16 conforming with A.S.T.M. A305.
 Dimensions relating to Reinforcing Steel are to Bar Centers.
 All Concrete to be Class 74.
 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 3/8" thick may be substituted.
 For Details of Concrete Piles see Standard Plan as shown on General Plan.
 Maximum 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.
 Concrete and Steel in Subsoil Curbs and Handrail Flare are included in Bent Cap Quantities and are to be paid for as part of the Bent.
 Chamfer all exposed corners 1/4" unless otherwise noted.
 Tar Paper Wrapping: to be included in price bid for Class 74 Concrete.



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. 5, 1957

STATE OF LOUISIANA
DEPARTMENT OF HIGHWAYS

DESIGNED	CHECKED	TRACED
_____	_____	_____

BRIDGE DESIGN SECTION