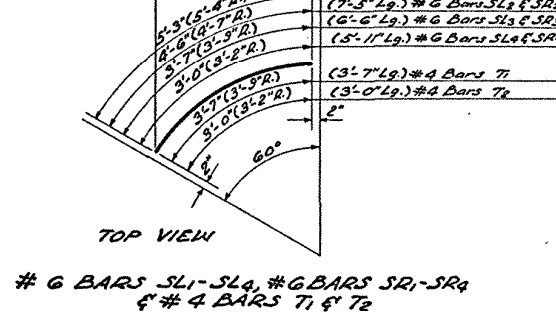
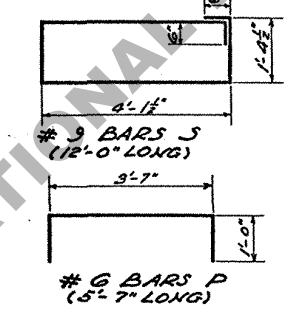
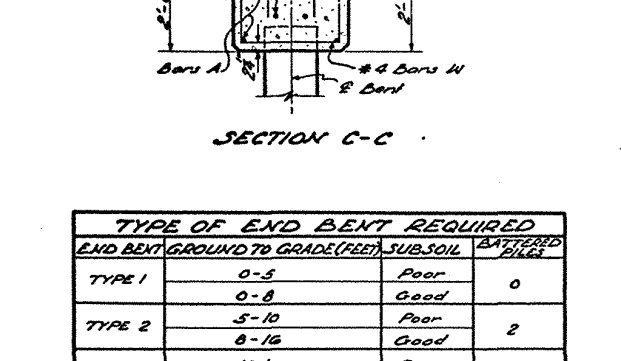
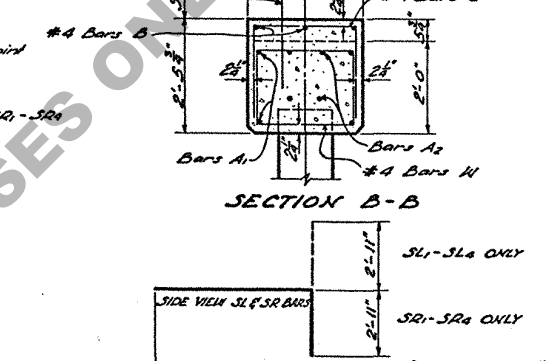
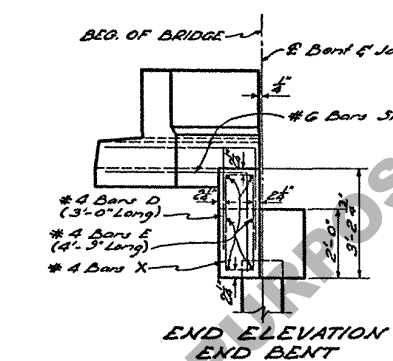
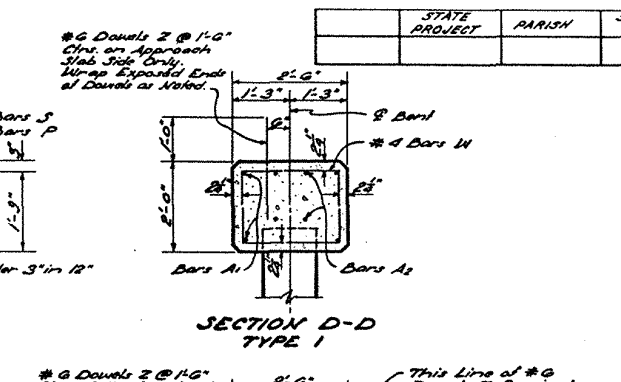
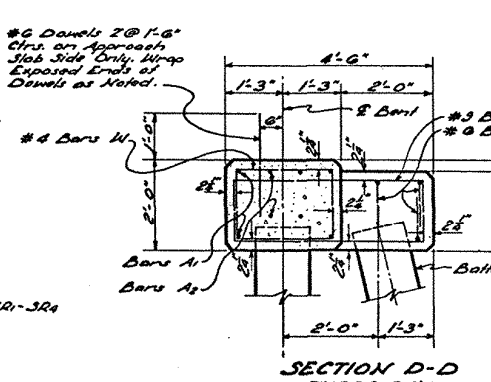
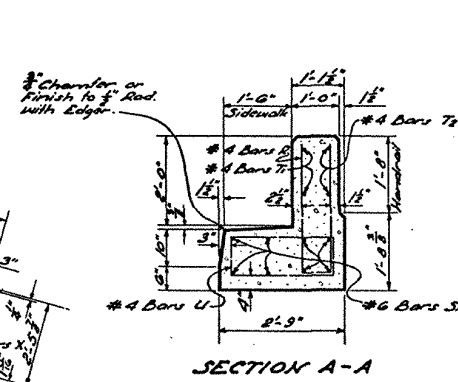
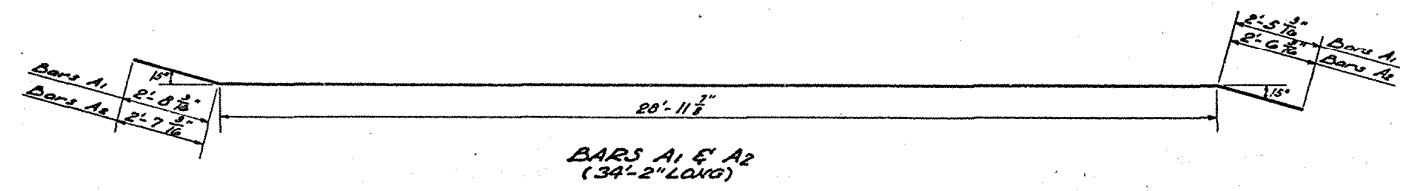
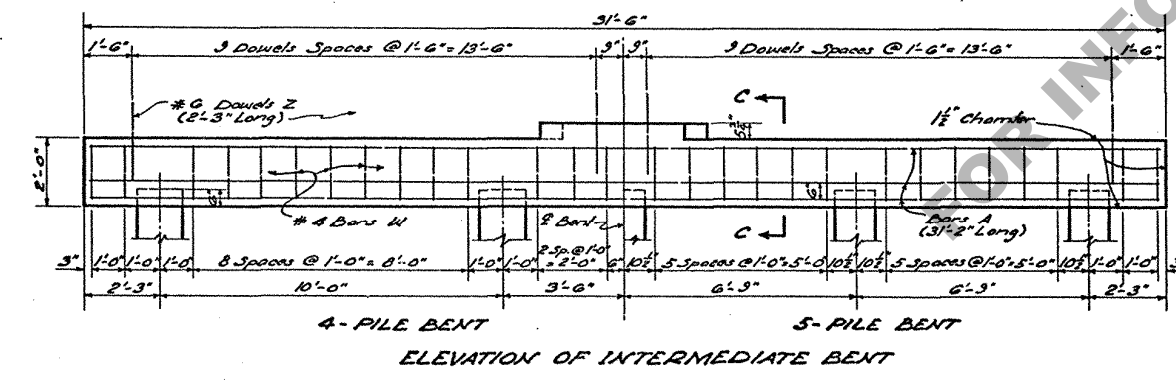
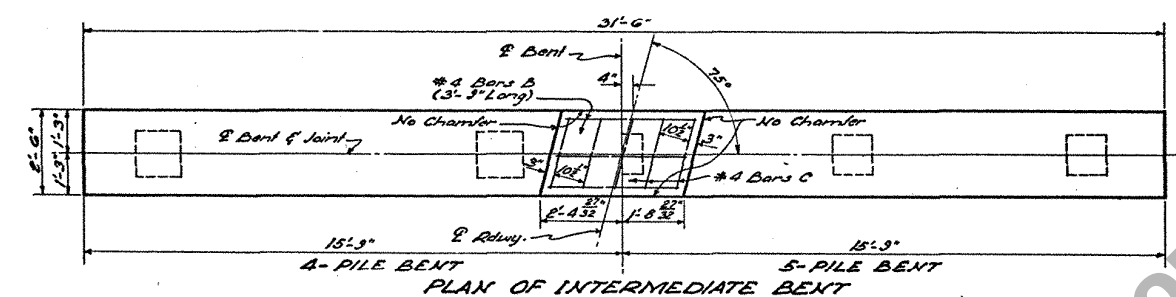
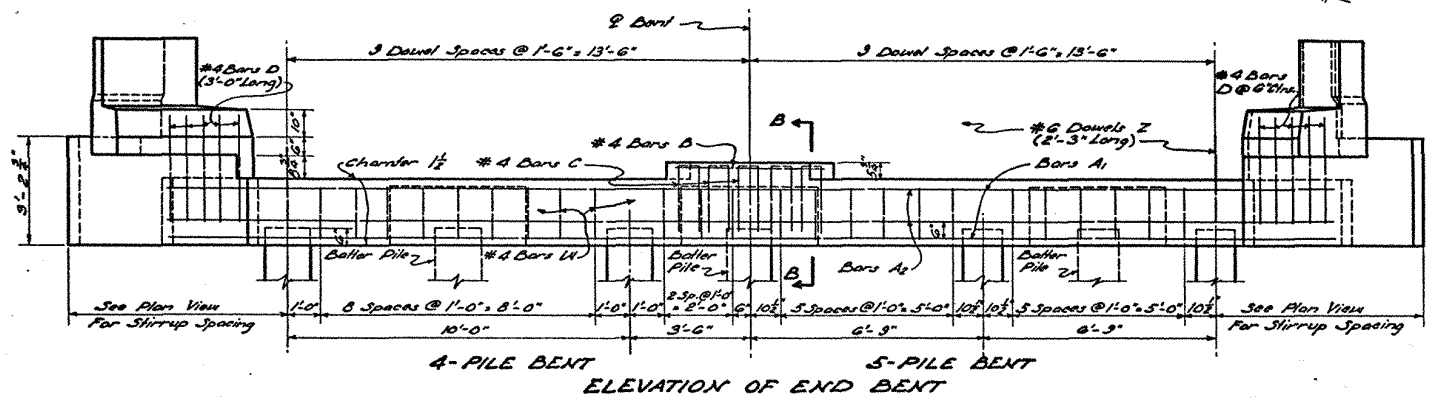
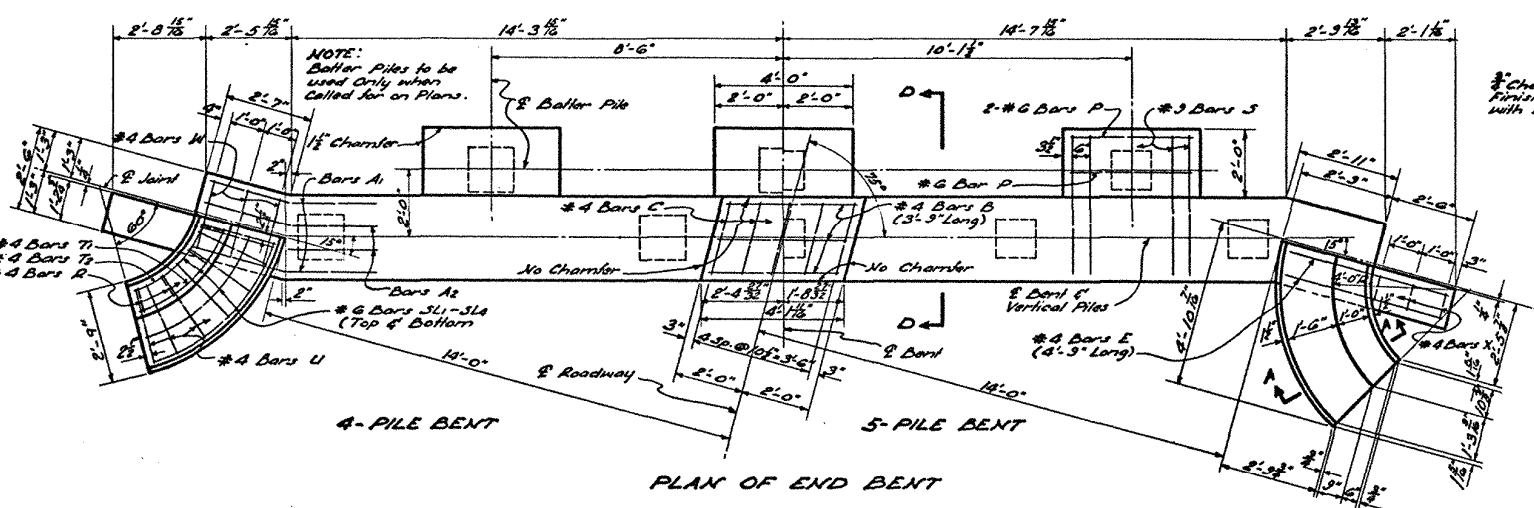


TYPE OF END BENT REQUIRED			
END BENT	GROUND TO GRADE (FEET)	SUBSOIL	BATTERED PILES
TYPE 1	0-5	Poor	0
TYPE 2	5-10	Good	2
TYPE 3	10+	Poor	3

QUANTITIES AND PILE LOADS				
ITEM	SIZE OF BARS	CLASS #	DEFORMED REIN. STEEL (LBS.)	AVERAGE PILE LOAD (TONS)
4-PILE END BENT				
TYPE 1	#3	3.03	1560	28.5
TYPE 2	#3	10.06	1936	28.5
TYPE 3	#3	10.55	2125	28.5
5-PILE END BENT				
TYPE 1	#7	3.10	1190	22.8
TYPE 2	#7	10.08	1566	22.8
TYPE 3	#7	10.58	1755	22.8
INTERMEDIATE BENT				
4 PILE	#3	5.88	1037	28.5
5 PILE	#7	5.83	753	22.8

* 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 60% of Reinforcing Steel (20% of Dowels Z) when 2 Fixed Ends occur on an Intermediate Bent.

GENERAL NOTES:
 Construction Specifications: Latest Approved Louisiana Department of Highways Standard Specifications.
 Design Specifications: A.A.S.H.O. Standard Specifications for Highway Bridges 1953 or Amended to Dec. 31, 1955.
 Live Load: 1450-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 "A".
 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" thick may be substituted.
 For Details of Concrete Piles see Standard Plan C.S.-149.
 Maximum Pile Load unless otherwise instructed by Bridge Design Section 1450 R.C. Piles = 28 Tons for 4-Pile Bent.
 16" R.C. Piles = 35 Tons for 5-Pile Bent.
 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.
 Charmer All Exposed Corners & Unless Otherwise Noted.
 Tar Paper and Wrappings to be Included in Price Bid for Class "A" Concrete.

STANDARD PLAN
 REINFORCED CONCRETE PILE BENTS
 FOR CONCRETE SLAB SPANS
 20 FT. SPAN 75° RT. CROSSING
 28'-0" CLEAR ROADWAY 1'-6" SIDEWALKS
 TO BE USED WITH STD. PLAN C-F-S 22-20
 DATED: MARCH 28, 1957 C.M. 176

STATE OF LOUISIANA			
DEPARTMENT OF HIGHWAYS			
DESIGNED	BY	TRACED	BY
CHECKED	BY	CHECKED	BY
DATE	DESCRIPTION	BY	REVISIONS