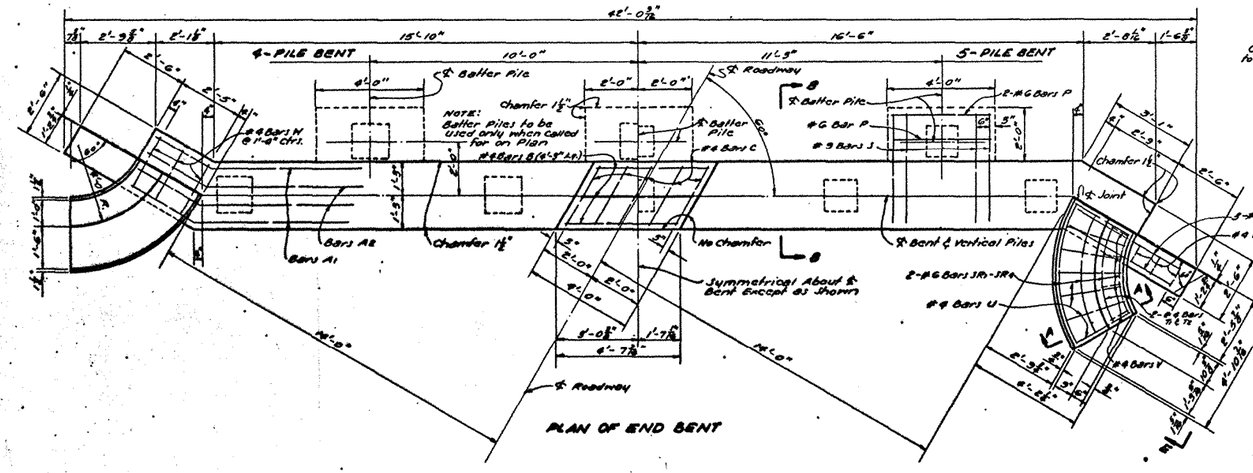
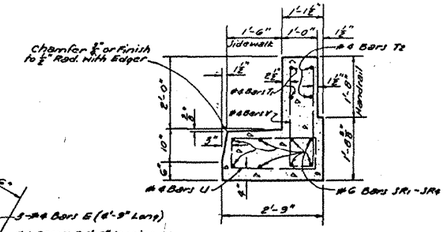
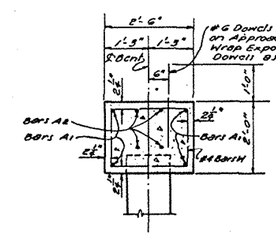
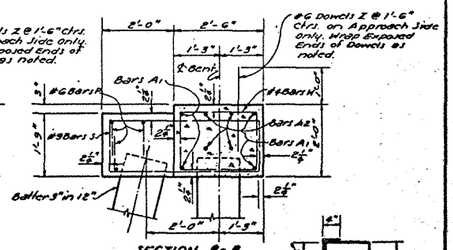




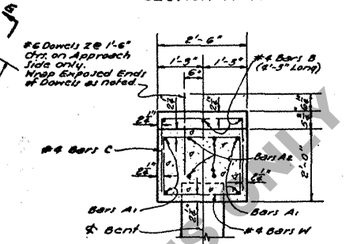
SECTION A-A



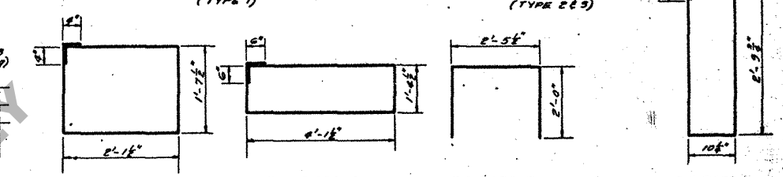
SECTION B-B (TYPE 1)

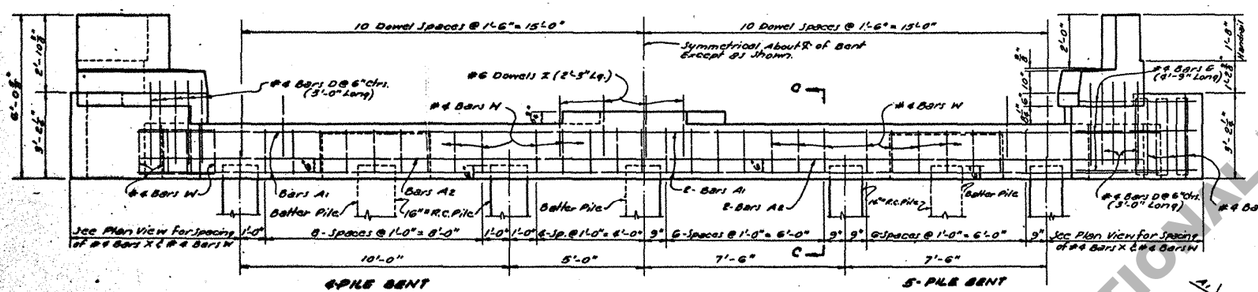


SECTION B-B (TYPE 2 & 3)

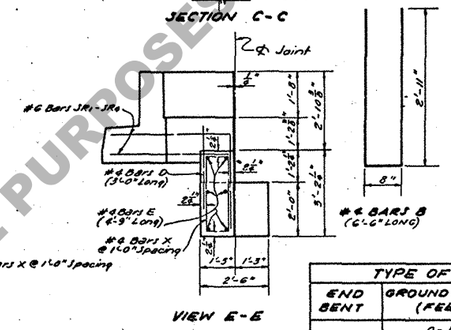


SECTION C-C





ELEVATION OF END BENT



VIEW E-E

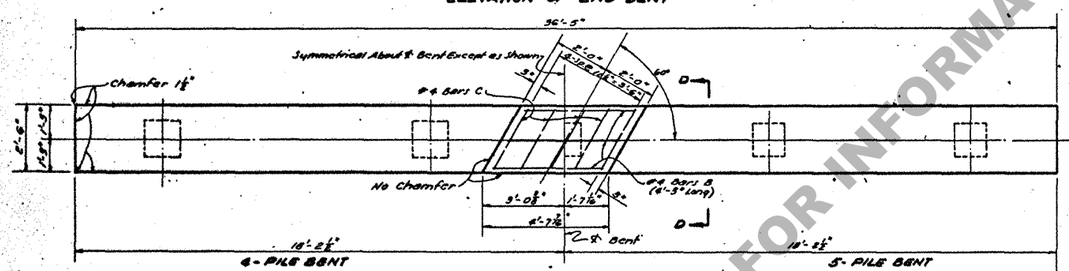
GENERAL NOTES:

CONSTRUCTION SPECIFICATIONS: Latest Approved La. 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.
Reinforcement Bars shall be Intermediate or Hard Grade A.S.T.M. A15, or Rail Steel, A.S.T.M. A16, conforming to A.S.T.M. A305.
Dimension Relating to Reinforcing Steel are Bar Centers.
All Exposed Ends of #6 Dowels 2" to be Wrapped with 2 Layers of 15# Tar Paper. Close Fitting Tubes made of Compressible Material not less than ⅛" thick may be Substituted.
Maximum Pile Loads unless otherwise instructed by the Bridge Design Section:
16" R.C. Piles = 28 Tons Per Pile.
16" R.C. Piles = 32 Tons Per Pile.
Concrete and Reinforcing Steel in SIDEWALK CURB FLARE & HANDRAIL FLARE are Included in Bent Quantities and are to be Paid for as part of the Bent.
Chamfer all Exposed Corners ¾" unless otherwise noted.
Tar Paper and/or Wrappings are to be Included in Price Bid for class "A" concrete.
All Concrete to be Class "A".
For Details of Concrete Piles see Standard Plan as shown on General Plan.

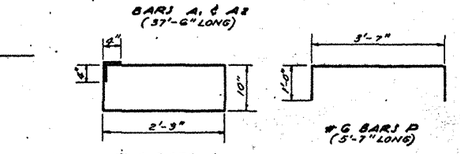
TYPE OF END BENT REQ'D.			
END BENT	GROUND TO GRADE (FEET)	SUBSOIL	BATTERED PILES
TYPE 1	0-5	POOR	0
	0-8	GOOD	
TYPE 2	5-16	POOR	2
	8-16	GOOD	
TYPE 3	16+	POOR	3
	16+	GOOD	

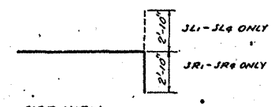
QUANTITIES & PILE LOADS				
TYPE \ ITEM	SIZE OF BARS A1, A1 & A2	CLASS "A" CONCRETE (CU. YDS)	DEFORMED REINF. ST'L. (LBS)	AVERAGE PILE LOAD (TONS) *
4-PILE END BENT				
TYPE 1	#8	9.70	1450	28.5
TYPE 2	#8	10.67	1830	28.5
TYPE 3	#8	11.16	2021	28.5
5-PILE END BENT				
TYPE 1	#7	9.71	1271	22.8
TYPE 2	#7	10.70	1651	22.8
TYPE 3	#7	11.19	1842	22.8
INTERMEDIATE BENTS				
4-PILE	#8	6.82	1052 *	28.5
5-PILE	#7	6.02	876 *	22.8

* To Provide for Future Extension of Bridge, End Bents are Designed for Same Load as Intermediate Bents.
* Add 71 Lbs. of Reinforcing Steel (21-#6 Dowels Z) when 2 Fixed Ends Occur on one Intermediate Bent.

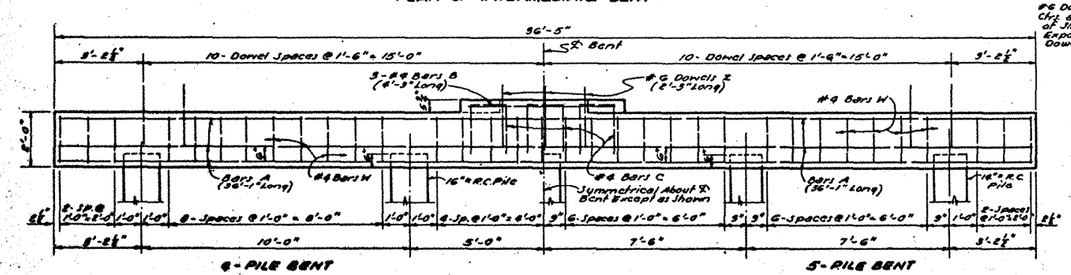


PLAN OF INTERMEDIATE BENT

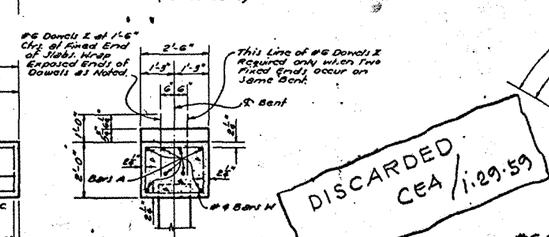




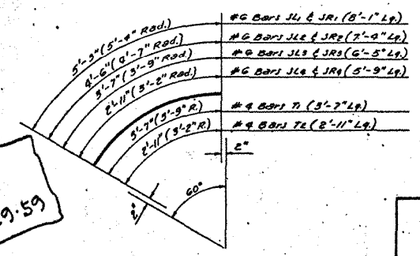
SIDE VIEW



ELEVATION OF INTERMEDIATE BENT



SECTION D-D



PLAN VIEW
#6 BARS JL1-JL6, #6 BARS JR1-JR6 & #4 BARS T1 & T2

DISCARDED CEA 1.29.59

STANDARD PLAN
REINFORCED CONCRETE PILE BENTS
FOR 20'-0" CONCRETE SLAB SPAN
28'-0" CLEAR ROADWAY 1'-6" SIDEWALKS
60° CROSSING. TO BE USED WITH STD PLAN C.F.S. 23-20
DATED Mar. 27 1957 C.M.- 169

DATE	DESCRIPTION	BY
	REVISIONS	

STATE OF LOUISIANA
DEPARTMENT OF HIGHWAYS

DESIGNED	DETAILED	TRACED
CHECKED	CHECKED	CHECKED

BRIDGE DESIGN SECTION

C.S.-84-20

FOR INFORMATIONAL PURPOSES ONLY