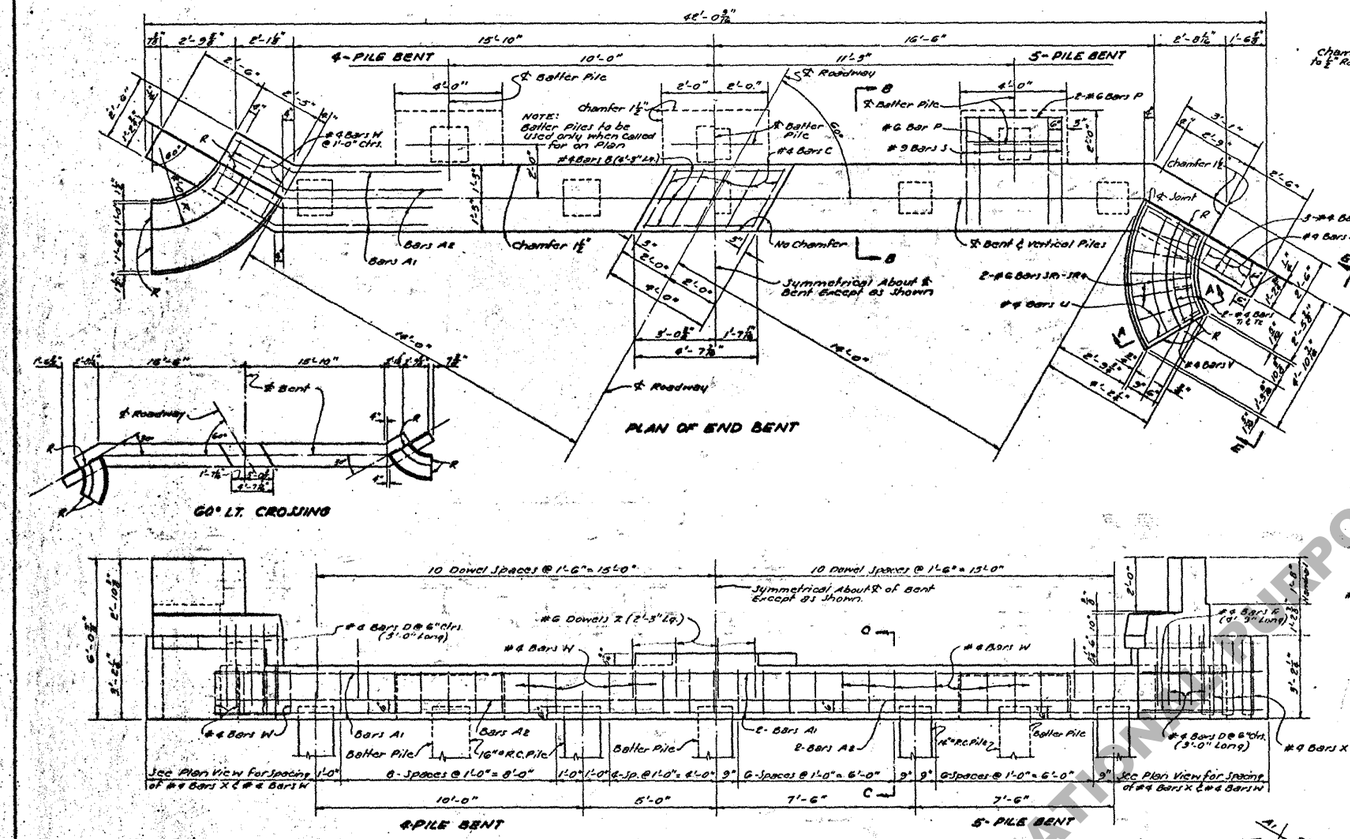
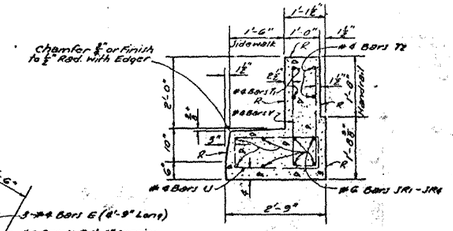
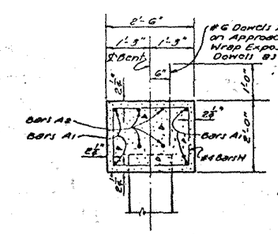
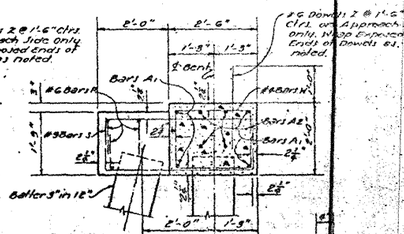
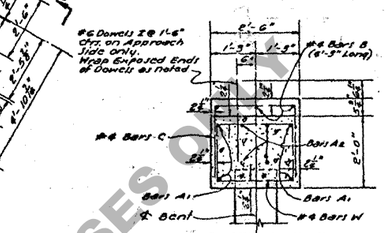
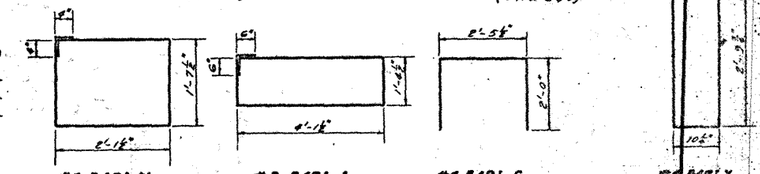




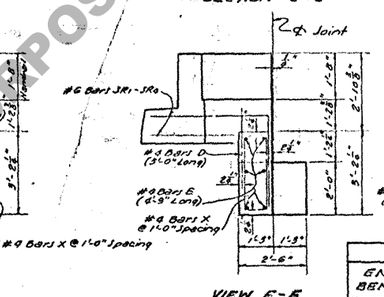


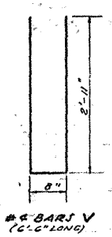






ELEVATION OF END BENT





GENERAL NOTES:

CONSTRUCTION SPECIFICATIONS: Latest Approved La. Dept of Highways Standard Specifications.
DESIGN SPECIFICATION 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 to Bar Centers.
All Exposed Ends of #6 Dowel "Z" to be Wrapped with 2 Layers of 15 # Tar Paper, Close Filling tubes made of compressible Material not less than ¾" thick may be substituted.
Maximum Pile Load Unless otherwise instructed by the Bridge Design Section 14" R.C. Piles - 25 Tons Per Pile
16" R.C. Piles - 30 Tons Per Pile
Concrete Joint Sealing Material in Joints Over Bent Caps & "MANDREL PLATES" are Included in Bent Guarantee 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

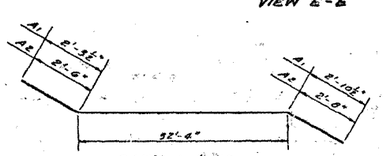
TYPE OF END BENT REQ'D.

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	

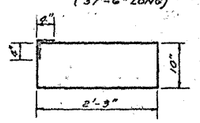
QUANTITIES & PILE LOADS

ITEM / TYPE	SIZE OF BARS A, A1 & A2	CLASS "A" CONCRETE (CU. YDS)	REINFORCED STEEL PER 3'-L (LBS)	AVERAGE PILE LOAD (TONS) *
4-PILE END BENT				
TYPE 1	#8	9.70	1650	28.5
TYPE 2	#8	10.87	1830	26.5
TYPE 3	#8	11.16	2021	27.8
5-PILE END BENT				
TYPE 1	#7	9.71	1771	22.8
TYPE 2	#7	10.70	1941	22.8
TYPE 3	#7	11.19	1968	22.8
INTERMEDIATE BENT				
4-PILE	#9	6.02	2252 **	28.8
5-PILE	#7	6.82	2076 **	22.8

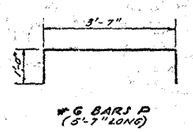
* To Provide for Future Extension of Approach Roadway and Designed for same Load as Intermediate Bents.
** Add 71 Lbs. of Reinforcing Steel (#4 Dowels Z) when 2 Fixed Ends occur, share intermediate Bent.



BARS A1 & A2 (37'-6" LONG)

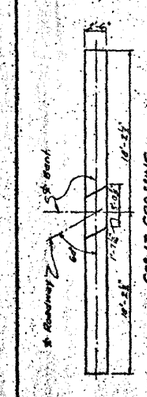


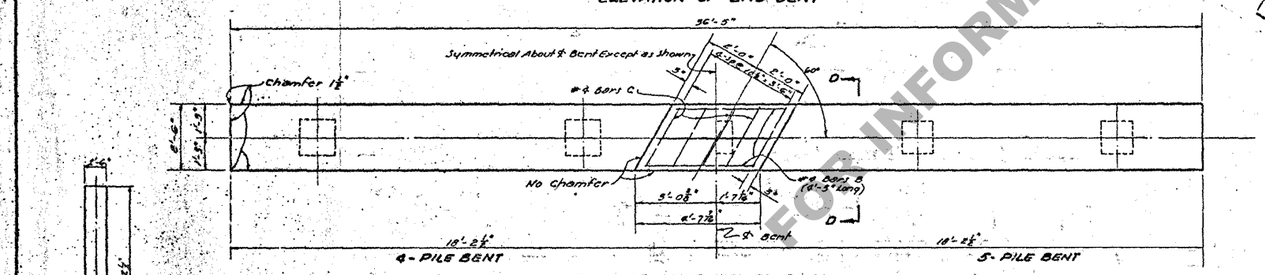
#4 BARS U (6'-10" LONG)



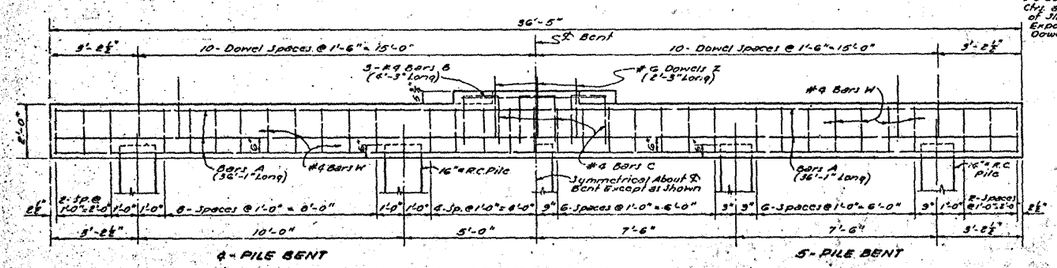
#6 BARS P (3'-7" LONG)

SIDE VIEW

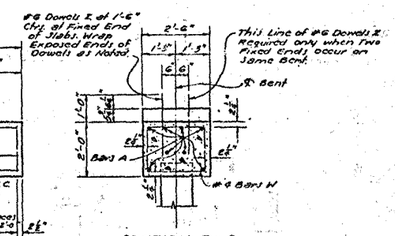




PLAN OF INTERMEDIATE BENT



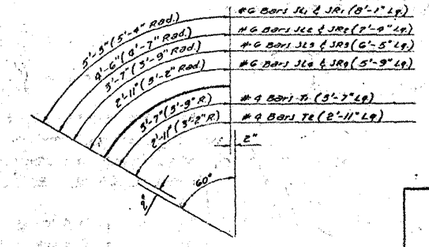
ELEVATION OF INTERMEDIATE BENT



SECTION D-D

GENERAL NOTES CONT:

On End Bents, All Exposed Vertical Surfaces and Chamfers on Cap to have Class 2 Rubbed Finish. All Exposed Surfaces on Intermediate Bents Shall be Limited to the Edge of Bridge Seats to have a Class 2 Rubbed Finish. On Intermediate Bents All Exposed Vertical Surfaces and Chamfers above the Low Water or Ground Line to have a Class 2 Rubbed Finish.
R - Denotes Class 2 Rubbed Finish Unless otherwise Shown.



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

STANDARD PLAN
PRECAST CONCRETE PILE BENTS
FOR 20'-0" CONCRETE SLAB SPANS
LIVE LOAD: H20 - S16 - 44
28'-0" ROADWAY 1'-5" SIDEWALKS
DATED: APR. 29, 1958

STATE OF LOUISIANA
DEPARTMENT OF HIGHWAYS

DATE	DESCRIPTION	BY
	REVISIONS	

DESIGNED DETAILED TRACED
CHECKED CHECKED CHECKED
BRIDGE DESIGN SECTION

BGFS15G-30127

FOR INFORMATION PURPOSES ONLY