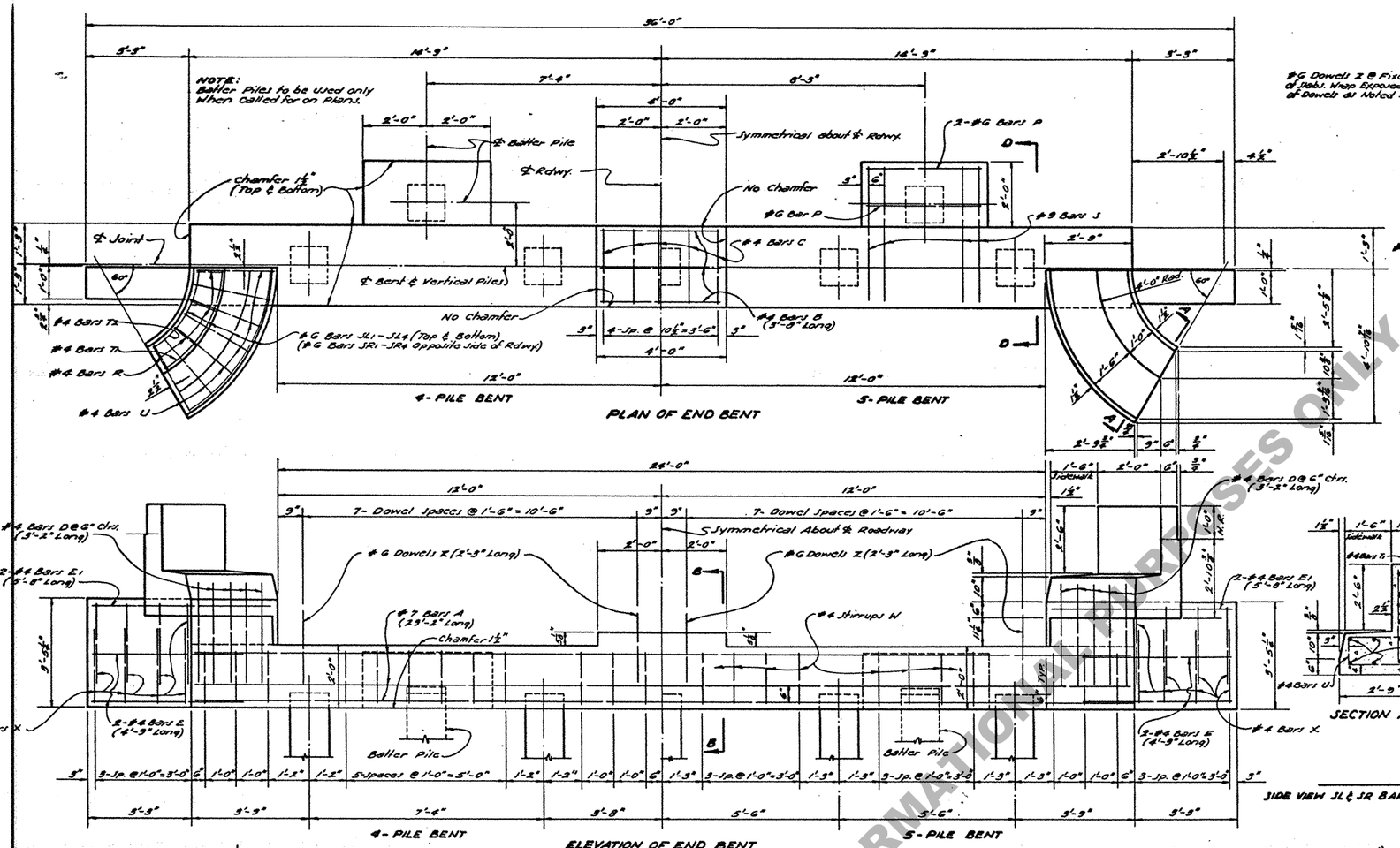
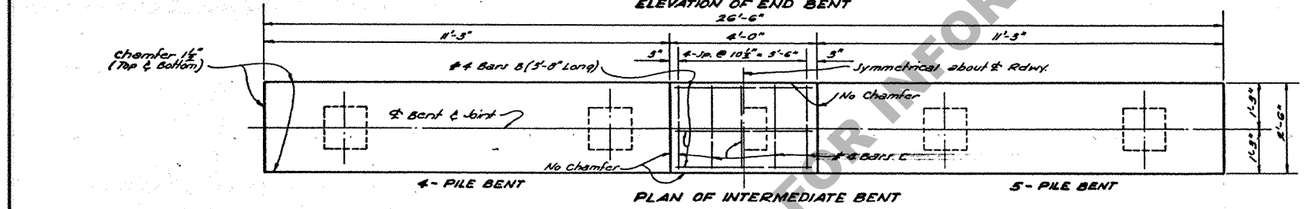
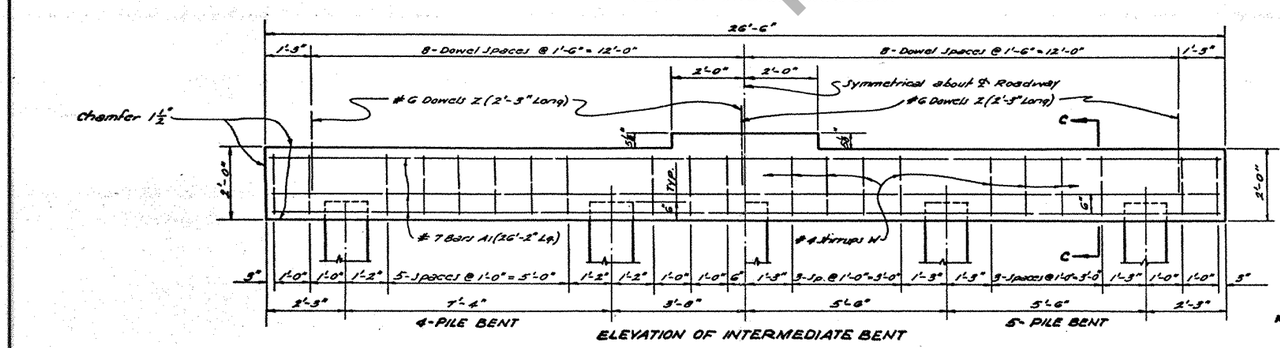
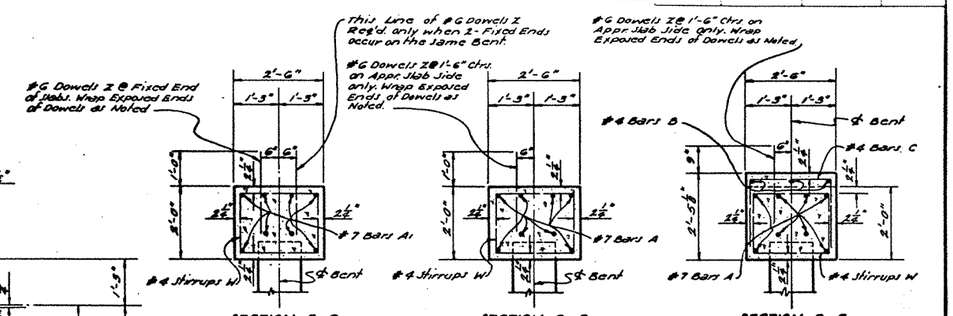
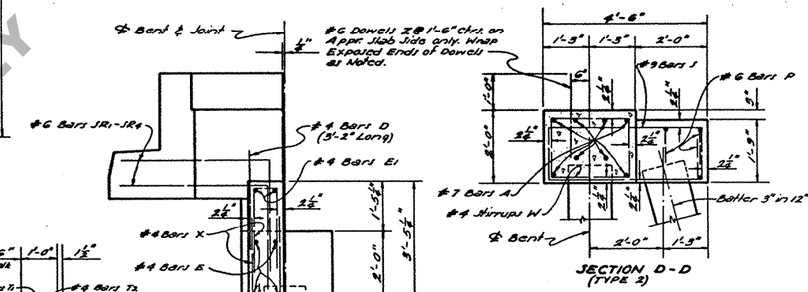
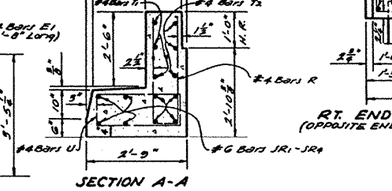


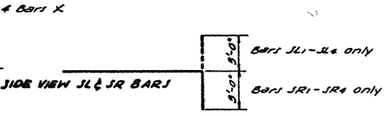


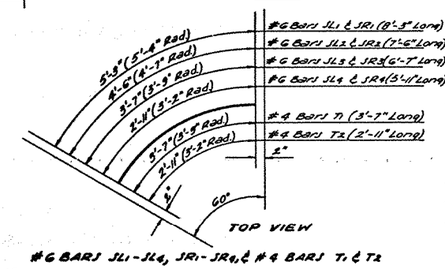












TYPE OF END BENT REQUIRED			
END BENT	GROUND TO GRADE (FT.)	SUBSOIL	BATTER PILES
TYPE-1	0-5	POOR	0
	0-8	GOOD	
TYPE-2	5-10	POOR	2
	8-16	GOOD	

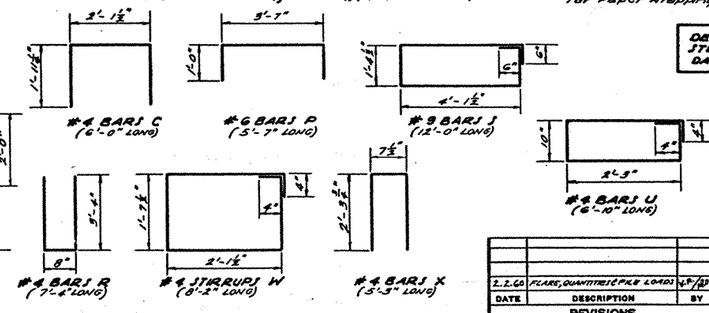
QUANTITIES AND PILE LOADS			
TYPE / ITEM	CLASS "A" * CONC. (CU. YDS.)	DEFORMED REINF. STEEL (LBS.)	AVE. PILE LOAD (TONS)
4-PILE END BENT #			
TYPE-1	8.46	1106	20.9
TYPE-2	9.47	1482	20.9
5-PILE END BENT #			
TYPE-1	8.46	1095	23.1
TYPE-2	9.44	1471	23.1
INTERMEDIATE BENT			
4-PILE	4.36	632 @	20.9
5-PILE	4.34	621 @	23.1

*Quantities computed assuming use of 14" ⌀ R.C. Piles.
To provide for future Extension of Bridge, End Bents are Designed for same load as Intermediate Bents.
@ Add 57 lbs. of Reinforcing Steel (17-#6 Dowels Z) when 2-Fixed Ends occur on an Intermediate Bent.

GENERAL NOTES:

CONSTRUCTION SPECIFICATIONS: Latest approved La. Dept. of Highways Std. Specs.
DESIGN SPECIFICATIONS: A.A.S.H.O. 1957.
LIVE LOAD: H15-44.
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".
Chamfer all exposed Corners ¾" unless otherwise noted.
All Exposed Ends of #6 Dowels Z to be Wrapped with 2-Layers of 15# Tar paper.
Close fitting Tubes made of Compressible Mat'l not less than ⅜" thick may be Substituted.
For Details of Concrete Piles, See Std. Plan as shown on General Plan.
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.
Tar Paper Wrapping to be included in Price Bid for Class "A" Conc.

DESIGN TAKEN FROM JTRD. PLAN BCFS15C-90-24PA DATED DEC. 2, 1958



DATE	DESCRIPTION	BY
2.2.60	FLARE, QUANTITIES & PILE LOADS	

REVISIONS

STANDARD PLAN
PRECAST CONCRETE PILE BENTS
FOR 25'-0" CONCRETE SLAB SPANS
LIVE LOAD: H15-44
24'-0" ROADWAY 1'-6" SIDEWALKS
DATED Apr. 3, 1959

STATE OF LOUISIANA
DEPARTMENT OF HIGHWAYS

DESIGNED — DETAILED — TRACED
CHECKED — CHECKED J. J. Martel — CHECKED
BRIDGE DESIGN SECTION

BCFS15A-90-24PA

FOR INFORMATIONAL PURPOSES ONLY