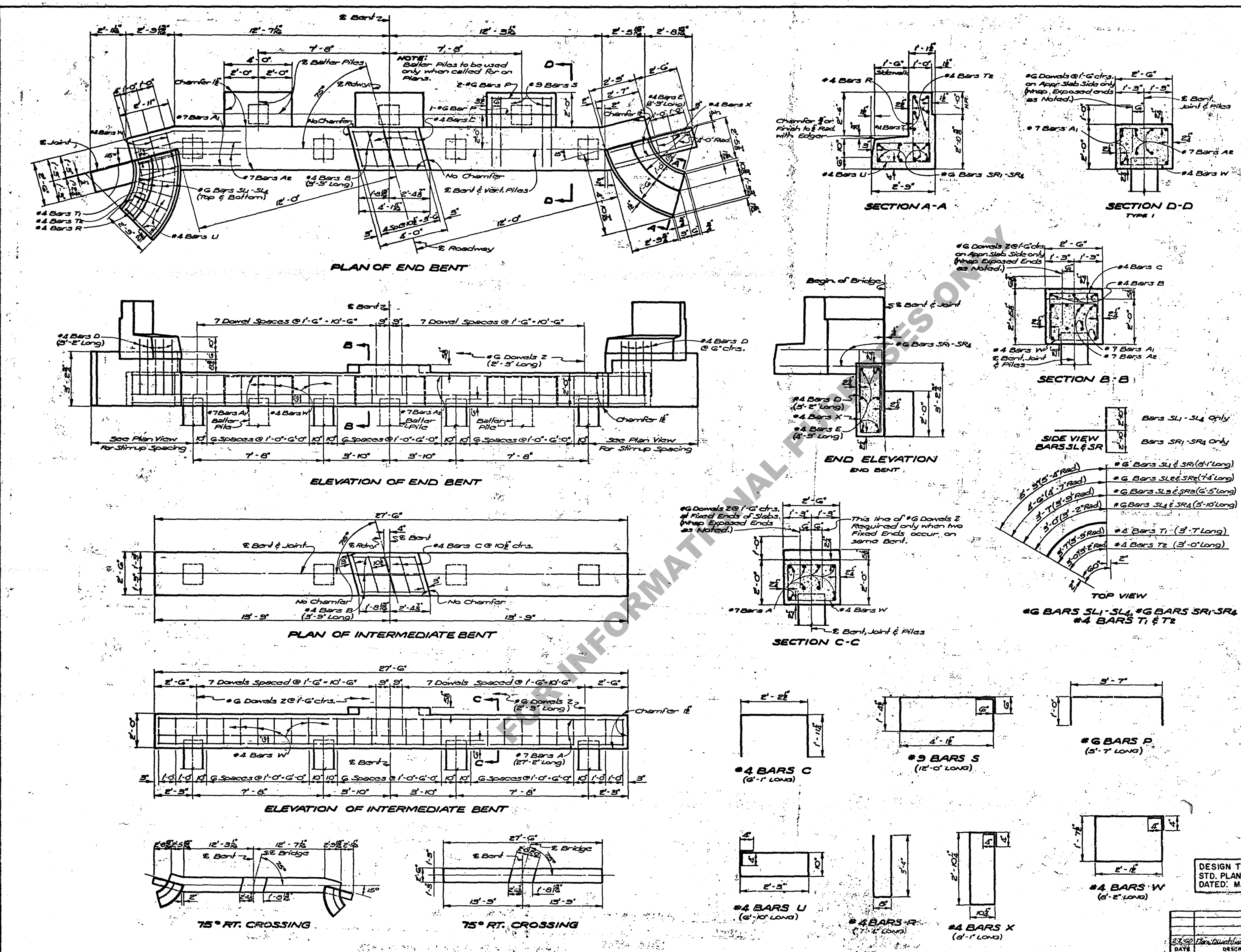
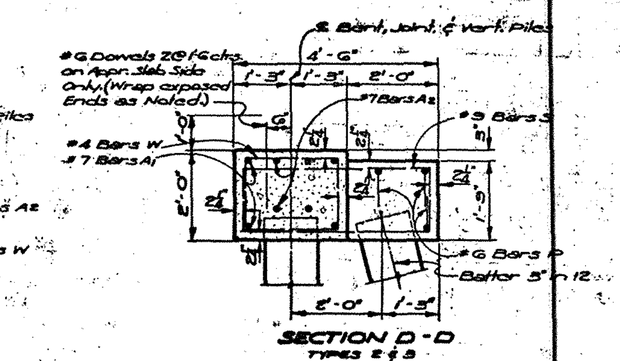




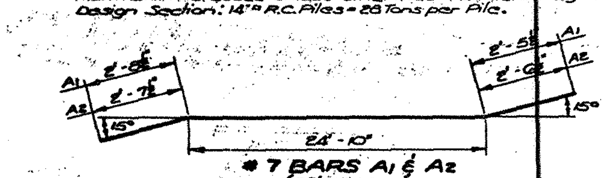
TYPE OF END BENT REQUIRED			
TYPE	GROUND TO GRADE (FT.)	SUB-SOIL	BATTER PILES
1	0 - 5	Poor	0
	0 - 8	Good	
2	5 - 10	Poor	2
	8 - 16	Good	
3	10 +	Poor	3
	16 +	Good	

QUANTITIES (ONE BENT) - PILE LOADS			
ITEM / TYPE	CLASS "A" CONCRETE (CU. YDS.) *	DEFORMED REINF. STEEL (POUNDS)	AVERAGE PILE LOAD (TONS)
• 4-PILE END BENT			
1	8.50	1107	22.5
2	9.50	1483	22.5
3	10.00	1671	22.5
INTERMEDIATE BENT			
4-Pile	5.16	662 ●	22.5

* 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 54 Lbs. (16-#6 Dowels "Z") when Two Fixed Ends occur on same 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, as amended to Dec. 31, 1955.
Live Load: H15-44.
Reinforcement Bars shall be Intermediate or Hard Grade, A.S.T.M. A-15, or Rail Steel, A.S.T.M. A-16, Conforming with A.S.T.M. A 305.
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 two Layers of 15# Tar Paper. Close Fitting Tubes made of Compressible Material not less than ⅛" thick may be substituted. Tar Paper Wrappings to be included in Price Bid for Class "A" Conc.
For Details of Conc. Piles, see Std. Plan as shown on Gen. Plan.
Concrete and Steel in Sidewalk, Curb, and Handrail Flare are included in End Bent Quantities and are to be paid for as part of the Bent.
All Exposed Edges and Corners to be Chamfered ¾" unless otherwise noted.
Maximum Pile Loads unless otherwise instructed by Bridge Design Section: 14"□ R.C. Piles = 28 Tons per Pile.



DESIGN TAKEN FROM
STD. PLAN BCFS15C-75-24P
DATED: MARCH 27, 1957

STATE PROJECT	PARISH	SHEET NO.

STANDARD PLAN
PRECAST CONCRETE PILE BENTS
FOR 20'-0" CONCRETE SLAB SPANS
LIVE LOAD H15-44
24'-0" ROADWAY 1'-6" SIDEWALKS
DATED March 30, 1959

DATE	DESCRIPTION	BY
2-2-60	Plans, Quantities & Pile Loads	V.R./A.P.

REVISIONS

STATE OF LOUISIANA
DEPARTMENT OF HIGHWAYS

DESIGNED | DETAILED | TRACED D. Anders
CHECKED | CHECKED | CHECKED

BRIDGE DESIGN SECTION