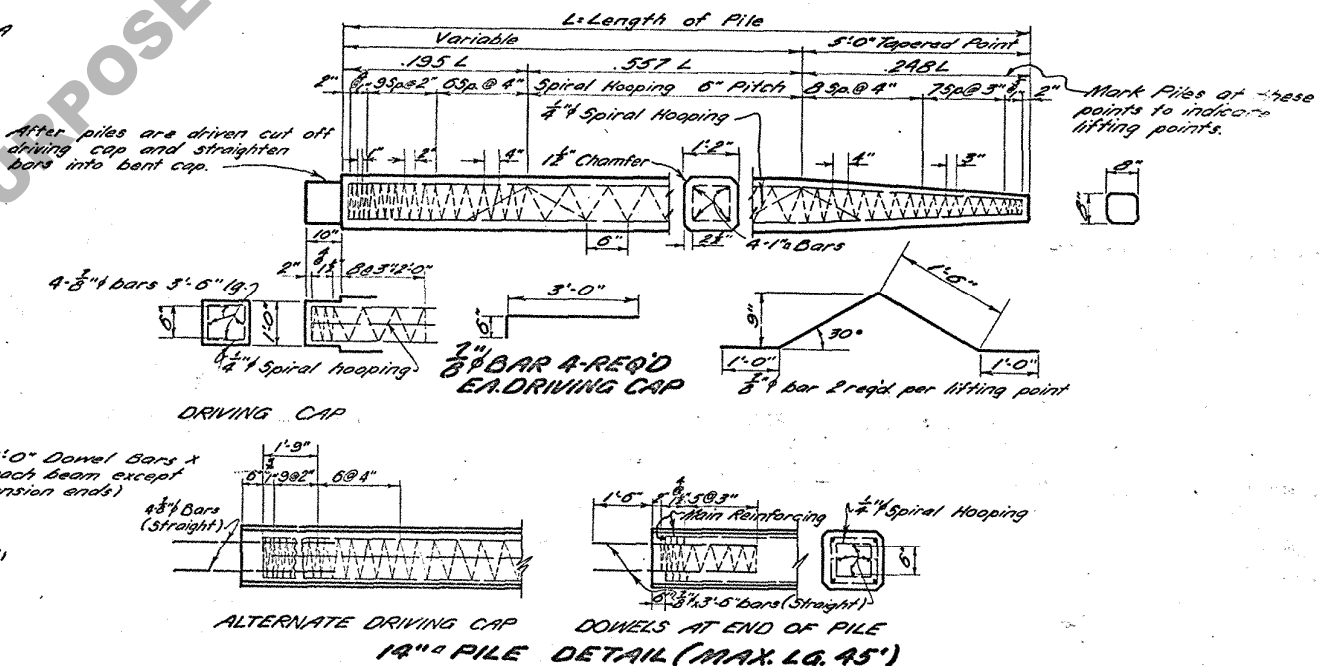
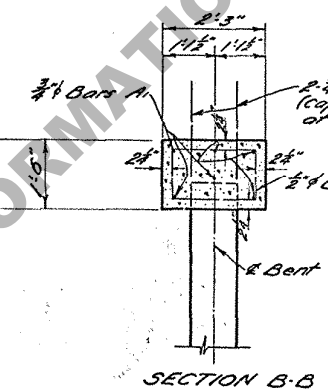
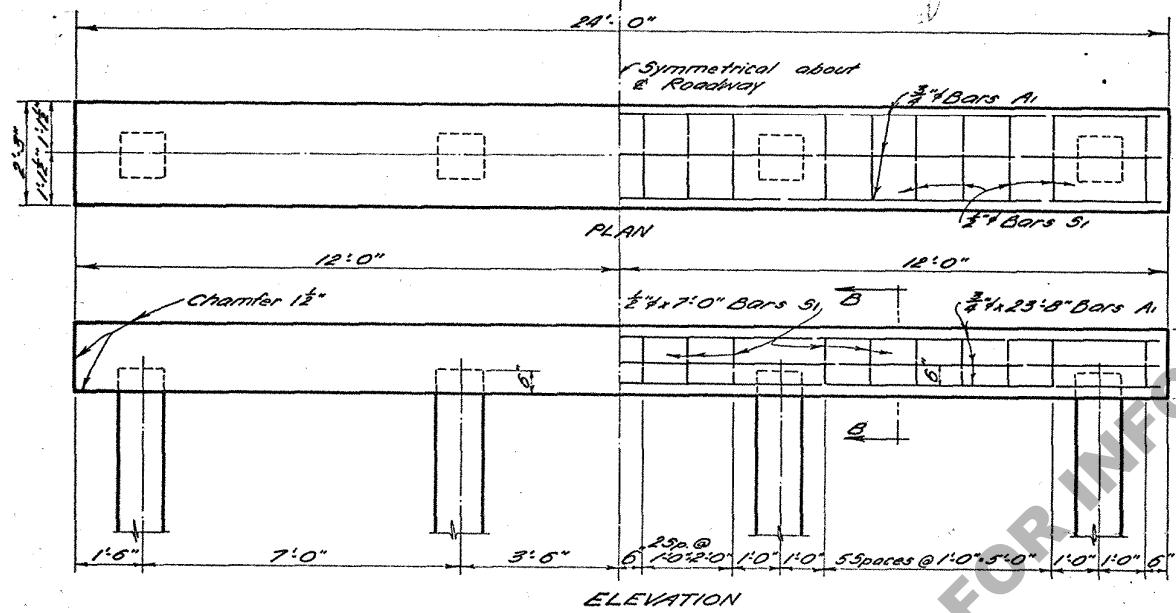
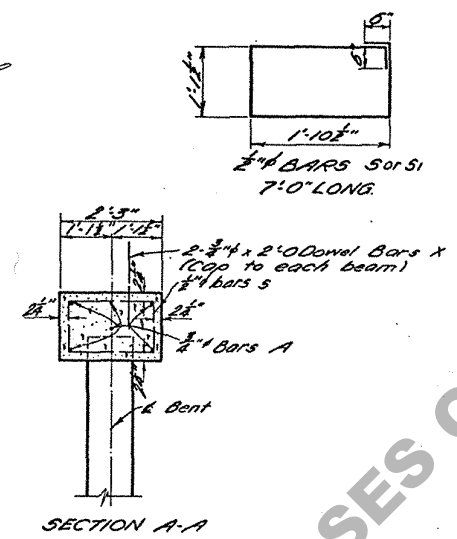
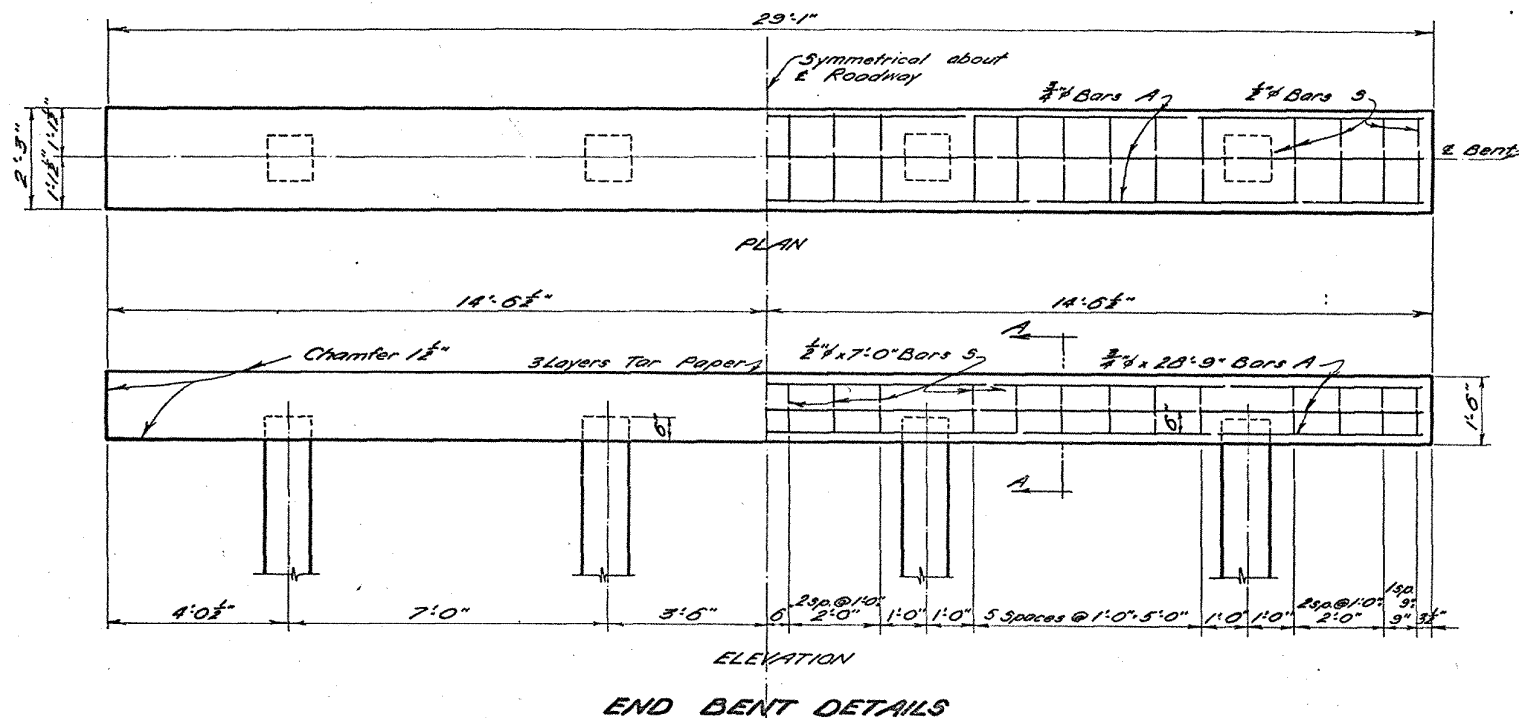




GENERAL NOTES:

Construction Specs: latest Approved La Hwy. Dept. Std. Specs.
Design Specifications AASHTO 1941 except rebar steel in tension - 20000 psi.
Live Load H-15.
All concrete to be Class "A".
All dimensions to reinforcing steel are to bar centers.
All exposed corners to be chamfered 1/2".
Quantities computed assuming 12" piles.
Reinforcing steel shall be Intermediate Grade.

PILE LOADING *

20 Ft. Span 17.5 Tons Per Pile
24 Ft. Span 19.2 Tons Per Pile

*To provide for future extension of bridge the end bents are designed for some load as intermediate bents.

END BENT QUANTITIES

Bar Size	No.	Unit Length	Total Length	Location
S	3/4"	20	7'0"	Hoops in cap
Total 3/4" Bars - 182'0" @ 0.068 = 12.2 Lbs.				
A	3/4"	6	28'9"	Long. in cap
X	"	8	2'0"	Dowels
Total 3/4" Bars - 188'5" @ 1.502 = 283 Lbs.				
Class A Concrete 3.55 Cu. Yds.				
Reinforcing Steel 405 Lbs.				

INTERMEDIATE BENT QUANTITIES

Bar Size	No.	Unit Length	Total Length	Location
S	3/4"	20	7'0"	Hoops in cap
Total 3/4" Bars - 140'0" @ 0.068 = 9.4 Lbs.				
A	3/4"	6	23'8"	Long. in cap
X	"	16	2'0"	Dowels
Total 3/4" Bars - 174'0" @ 1.502 = 261 Lbs.				
Class A Concrete 2.93 Cu. Yds.				
Reinforcing Steel 355 Lbs.				

APPROXIMATE QUANTITIES FOR PILES

Pile Size	Driving Cap Totals Per Lin. Ft.		Variable Part		Tapered Part	
	Conc.	Rein.	Conc.	Rein.	Conc.	Rein.
12"	None	None	.037	9	.085	49*
14"	.031	35	.051	15	.170	112**

* Includes steel projecting into cap.
** Includes 1/8" bars at lifting points.

Note: At Expansion Joints Deduct 24 Lbs. of Rebar Steel (8 bars x 2'0")

STANDARD PLAN
REIN. CONCRETE PILE BENTS
FOR R.C.D.G. SPANS H-15 LOADING
24'0" CLEAR ROADWAY
1'6" SIDEWALKS
20 FT. AND 24 FT. SPANS
DATED July 23, 1945

STATE OF LOUISIANA
DEPARTMENT OF HIGHWAYS

DESIGNED: [Signature]
CHECKED: Huey
IN CHARGE OF: [Signature]

DATE: [Signature]
DESCRIPTION: [Signature]
REVISIONS: [Signature]

THROTTLE: [Signature]
CHECKED: Huey
CHECKED: Huey

NEED CIVIL ENGINE DRAWINGMAN