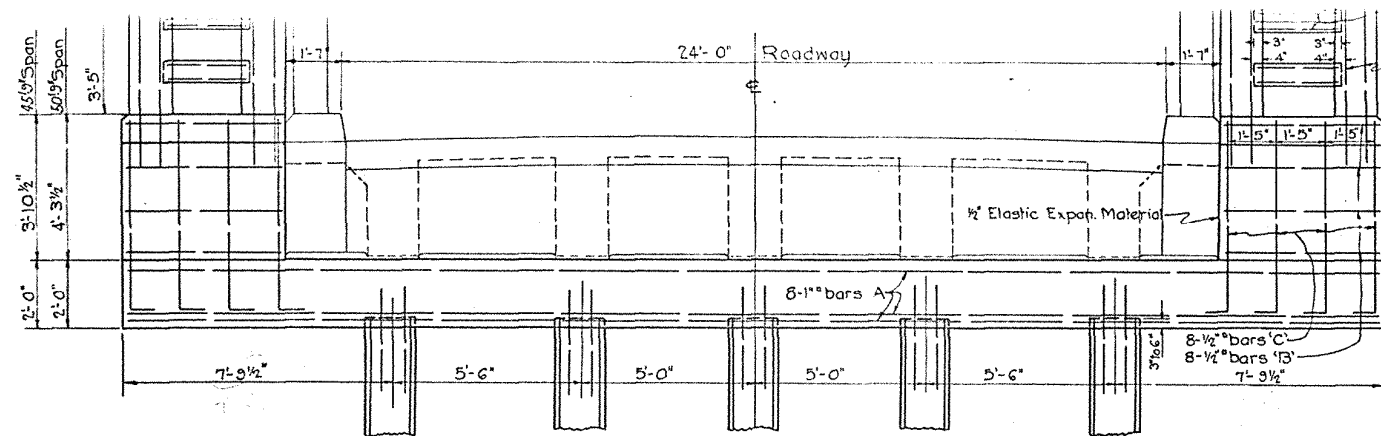
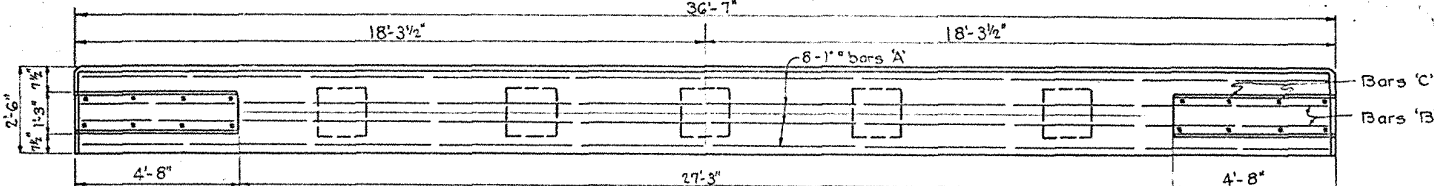




ELEVATION - END BENT



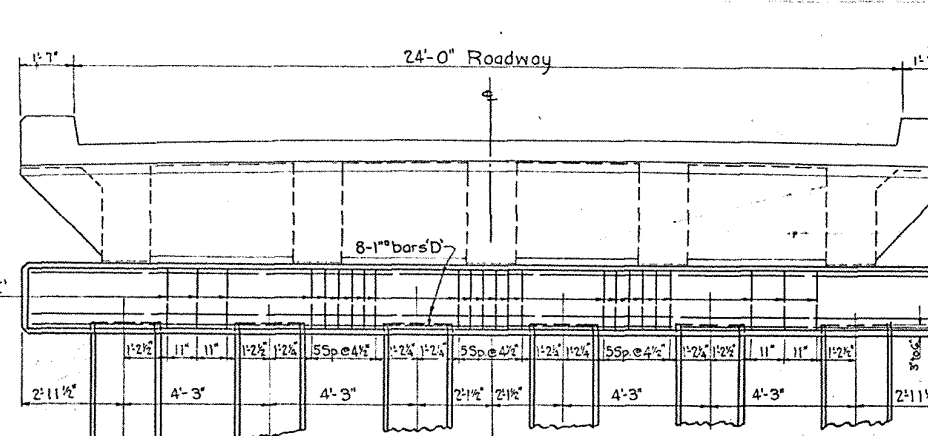
PLAN - END BENT

BILL OF MATERIAL - END BENT CAP

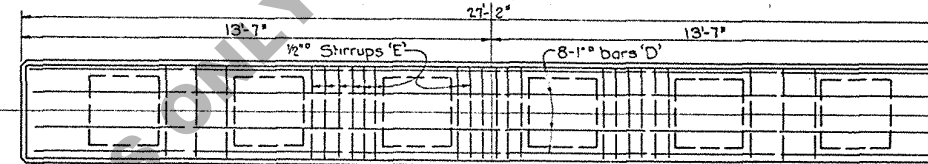
MARK	SIZE	NO.	Unit Length Ft. In.	Total Length Ft. In.	LOCATION
A	1"	8	36 1	288 8	Cap
Total 1" bars				288 8	
B	1/2"	16	4 4	64 4	Horizontal - Riser
C	1/2"	16	6 0	96 0	Vertical - Riser (45' Span)
D	1/2"	16	6 5	102 8	" (50' Span)
Total 1/2" bars (45' Span)				165 4	
Total 1/2" bars (50' Span)				172 0	
Total Reinforcing Steel (45' Span)				1122 Lbs.	
Total Reinforcing Steel (50' Span)				1127 Lbs.	
Class 'A' Concrete (45' Span)				8.33 Cu.Yds.	
Class 'A' Concrete (50' Span)				8.53 Cu.Yds.	

QUANTITIES FOR WING HANDRAIL

MARK	SIZE	NO.	Unit Length Ft. In.	Total Length Ft. In.	LOCATION
R	1/2"	16	2 10	45 4	Rails
P	1/2"	16	4 0	72 0	HR Posts
Total 1/2" bars				117 4	
Class 'A' Concrete				0.62 Cu.Yds.	



ELEVATION - INTERMEDIATE BENT

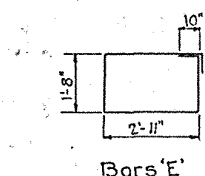


PLAN - INTERMEDIATE BENT

BILL OF MATERIAL - INTERMEDIATE BENT CAP

MARK	SIZE	NO.	Unit Length Ft. In.	Total Length Ft. In.	LOCATION
D	1"	8	26 8	213 4	Horizontal in Cap
Total 1" bars				213 4	
E	1/2"	24	10 10	260 0	Shrubs in Cap
Total 1/2" bars				260 0	
Total Reinforcing Steel				946 Lbs.	
Class 'A' Concrete				6.21 Cu.Yds.	

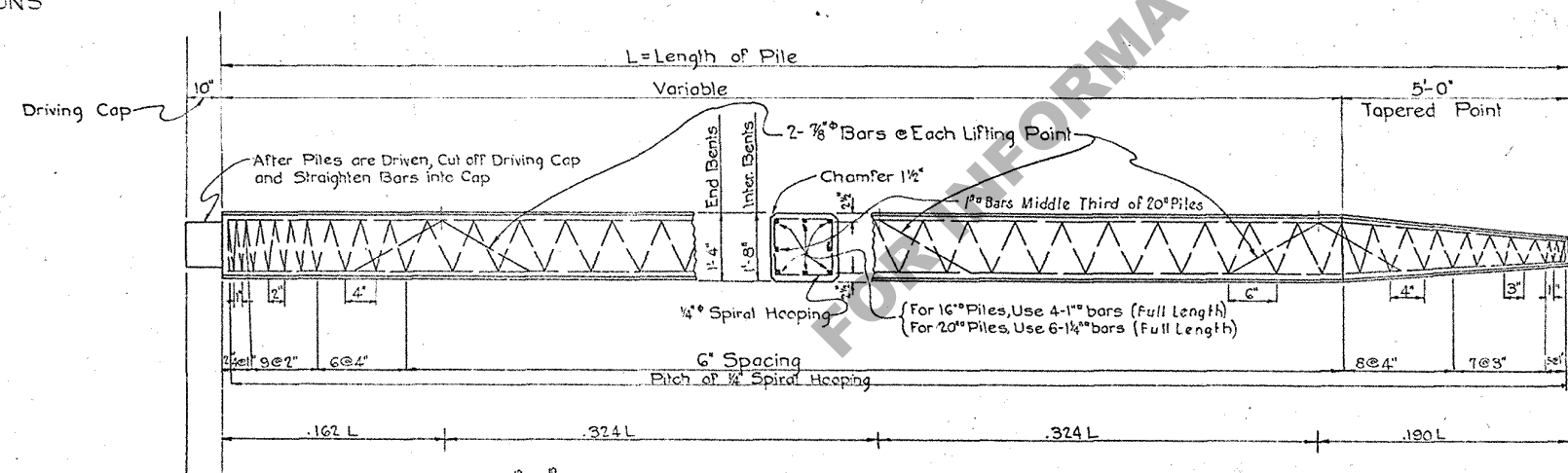
NOTE:- INTERMEDIATE BENTS - DESIGN LOAD FOR ONE PILE
45' SPAN --- 32 TONS
50' SPAN --- 37 TONS



Bars 'E'

GENERAL NOTES

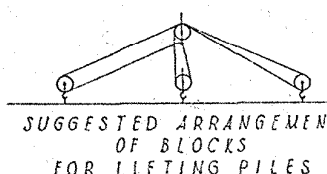
Specifications (Gen'l.) Latest approved La. Hwy. Dept. Std. Specs.
Concrete to be Class A in Cap, Piles, and Riser - Handrail to be Class AA
All Reinforcing Steel to be Deformed Bars (Square Twisted Bars not considered as Deformed)
All Dimensions of Reinforcing are to bar centers
No Direct Payment will be made for Reinforcing Steel in Concrete Piling.
The Price bid per Linear Foot of Piling shall include the Cost of Furnishing and Placing all Materials for Same.



APPROXIMATE QUANTITIES FOR PILES

Pile Size	Driving Cap Total	Variable Part Per Lin. Ft.	Tapered Point Total
16"	.031 38	.070 15	.204 80
20"	.031 38	.103 34	.283 167

Note: 1/2" bars at lifting points not included in above quantities



SUGGESTED ARRANGEMENT OF BLOCKS FOR LIFTING PILES

STANDARD R. C. PILE BENTS
FOR 45' AND 50' SPANS
LOUISIANA HIGHWAY COMMISSION
BATON ROUGE, LA.
June - 1930

TO BE USED WITH STD. PLAN C-5-109-15
Revised 1-1-46, Gen. Notes 5, Std. Plan No.

(B-2-235) C-5-109-15