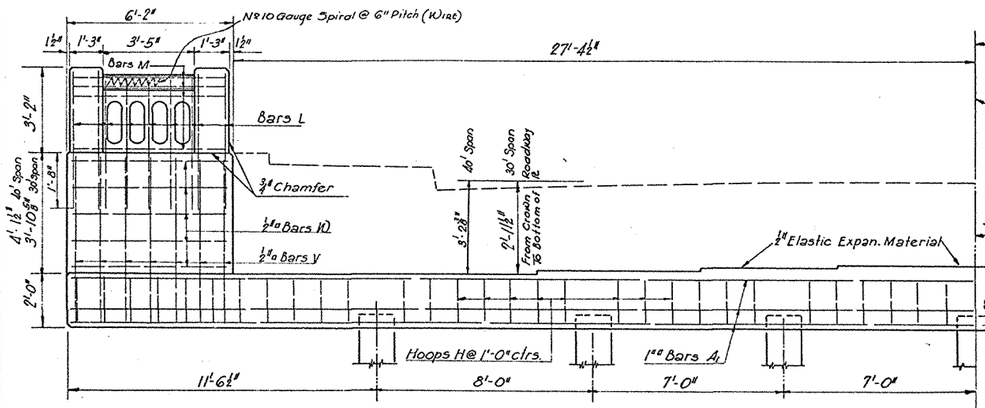
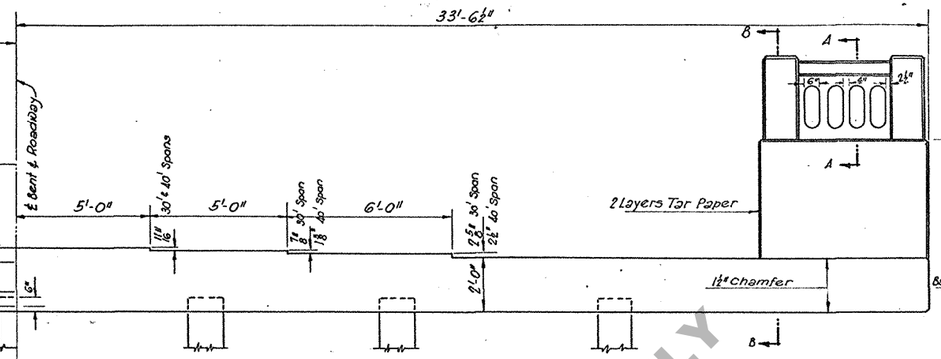
STATE PROJECT	PARISH	SHEET No.

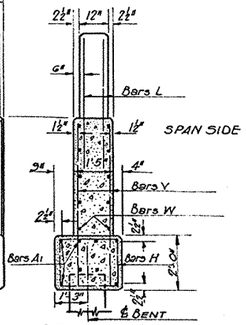


HALF ELEVATION SHOWING REINFORCEMENT

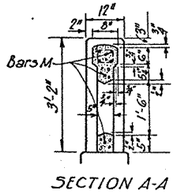


HALF ELEVATION

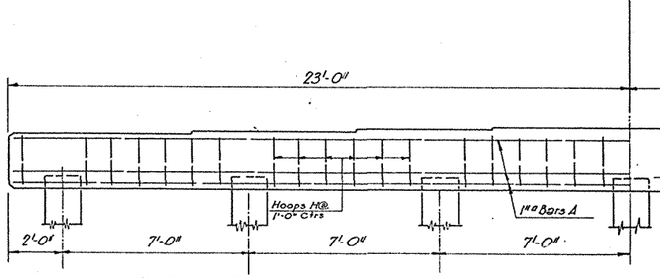
END BENT FOR 30' SPAN STD. PLAN



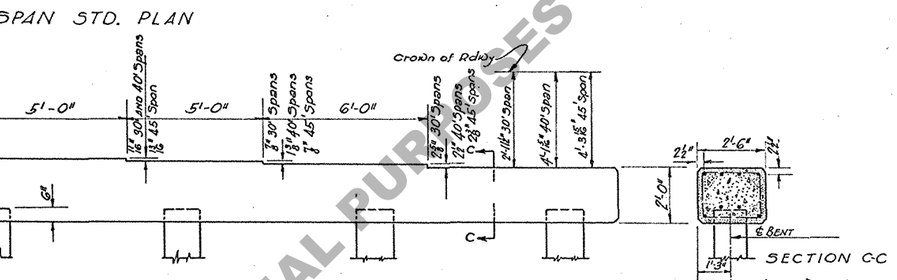
SECTION B-B



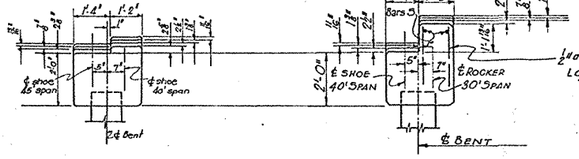
SECTION A-A



HALF ELEVATION SHOWING REINFORCEMENT



HALF ELEVATION



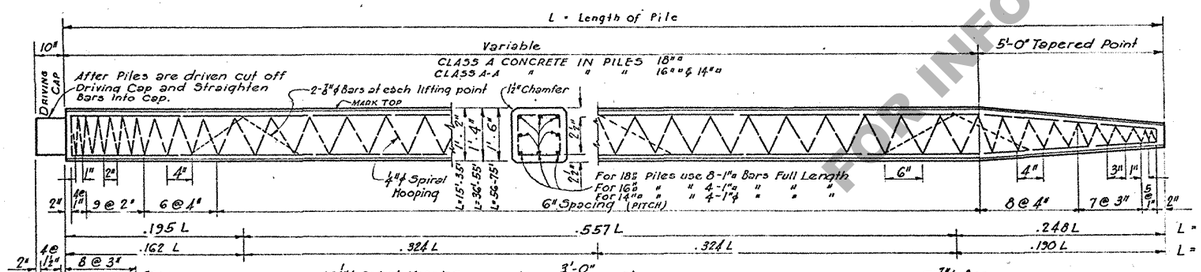
SECTION C-C BENT FOR 40'-45' ADJOINING SPANS
Showing Risers

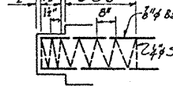
SECTION C-C BENT FOR 30'-40' ADJOINING SPANS
Showing Risers & Additional Reinf. Steel

MATERIAL FOR END BENT

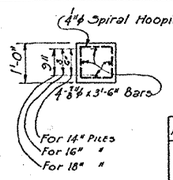
BAR	No.	SIZE	UNIT LG.	TOTAL LG.	LOCATION	
A1	16	1"ø	35'-0"	560'-0"	Cap	
	Total 1"ø Bars			560'-0"		1904 Pounds
H	60	½"ø	9'-6"	570'-0"	Cap	
W	20	"	5'-10"	116'-8"	Wing	
V	28	"	5'-4"	149'-4"	Wing	
L	26	"	4'-8"	121'-4"	Wing to Rail and Post	
M	12	"	5'-10"	70'-0"	Rail	
	Total ½"ø Bars			1027'-4"		873 Pounds
	No. 10 Gauge Wire					1 Pound
	Total Reinforcing Steel					2778 Pounds
	Class A-A Concrete in Hand Rail					.84 cu. yds.
	Class A Concrete				30' Span	15.54 cu. yds.
	Class A Concrete				40' Span	15.74 cu. yds.

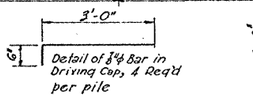
16"ø Piles assumed when estimating concrete quantities





DRIVING CAP





DETAIL OF BAR
at Lifting Point ~ 6 Req'd. per Pile for 16" and 18" Piles.

APPROXIMATE QUANTITIES FOR PILES

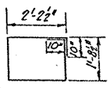
PILE LENGTHS	DRIVING CAP TOTAL		VARIABLE PART PER LIN. FT.		TAPERED POINT TOTAL	
	Conc Cu.yds.	R-Steel Lbs.	Conc Cu.yds.	R.Steel Lbs.	Conc Cu.yds.	R.Steel Lbs.
15' - 35'	.031	36	.051	12	.170	65
36' - 55'	.031	38	.070	15	.204	166*
56' - 75'	.031	39	.083	29	.250	236*

* Includes ½"ø bars @ Lifting Points.

GENERAL NOTES
Const. Specs: Latest approved La. Hwy. Dept. Std. Specs.
Detail Specs: La. Highway Commission, 1929.
Concrete to be class A in Cap, Piles and Riser.
Handrail to be class A-A.
All dimensions of Reinforcing are to Bar Centers.
No direct payment will be made for Reinforcing Steel in Concrete Piling.
The price bid per lin. ft. of piling shall include the cost of furnishing and placing all material for same.
All Caps and Piles above ground to have "Rubbed Finish".

MATERIAL FOR INTERMEDIATE BENT

BAR	No.	SIZE	UNIT LG.	TOTAL LG.	LOCATION	
A	8	1"ø	45'-8"	365'-4"	Cap	
	Total 1"ø Bars			365'-4"		1242 Pounds
H	38	½"ø	9'-6"	361'-0"	Hoops in Cap	
	Total ½"ø Bars			361'-0"		307 Pounds
	Total Reinforcing Steel					1549 Pounds
	Bent for 30' Spans Class A Concrete					9.13 cu. yds.
	Bent for 40' Spans Class A Concrete					9.17 cu. yds.
	Bent for 45' " " "					9.07 cu. yds.
	Bent for 30'-40' Adjoining Spans Class A Concrete					11.43 cu. yds.
	Total Reinf. Steel for 30'-40' Adjoining Span Bent					1731 Pounds
	Bent for 40'-45' Adjoining Spans Cl-A Conc.					9.55 Cu. yd.
	Pile Loading 30' Span					30 Tons Per Pile
	Pile Loading 40' Span					37 Tons Per Pile
	Pile Loading 45' Span					38 Tons Per Pile



½"ø Bar H Lg. 9'-6"

STANDARD PLAN
REINF. CONC. PILE BENTS
40'-0" ROADWAY 2-6'-0" SIDEWALKS
FOR 30'-40' & 45' SPANS S-C-37-15

DATE	DESCRIPTION	BY
1-46	Gen. Notes & Std. Plan No.	

REVISIONS

LOUISIANA HIGHWAY COMMISSION
BATON ROUGE, LA. MARCH 1935

DESIGNED O. Fleming | DETAILED O. Fleming | TRACED Wagner
CHECKED C. A. Bailey | CHECKED J. R. P. J. | CHECKED J. E. R.
IN CHARGE OF Charles A. Mayo BRIDGE DESIGNING ENGINEER

C-S-135-15

FOR INFORMATIONAL PURPOSES ONLY