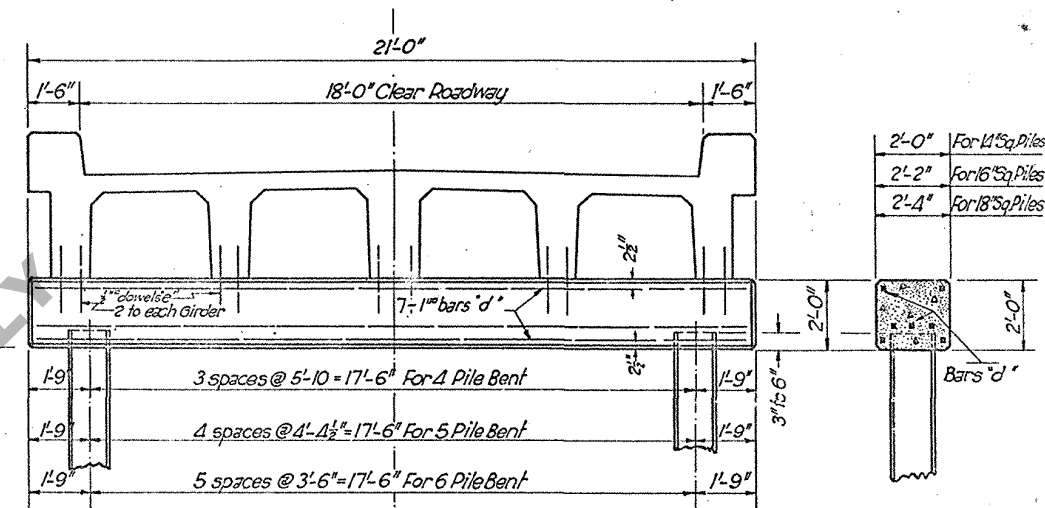
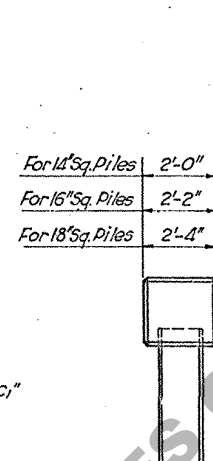
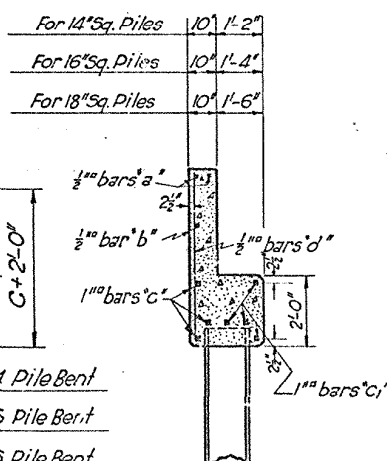
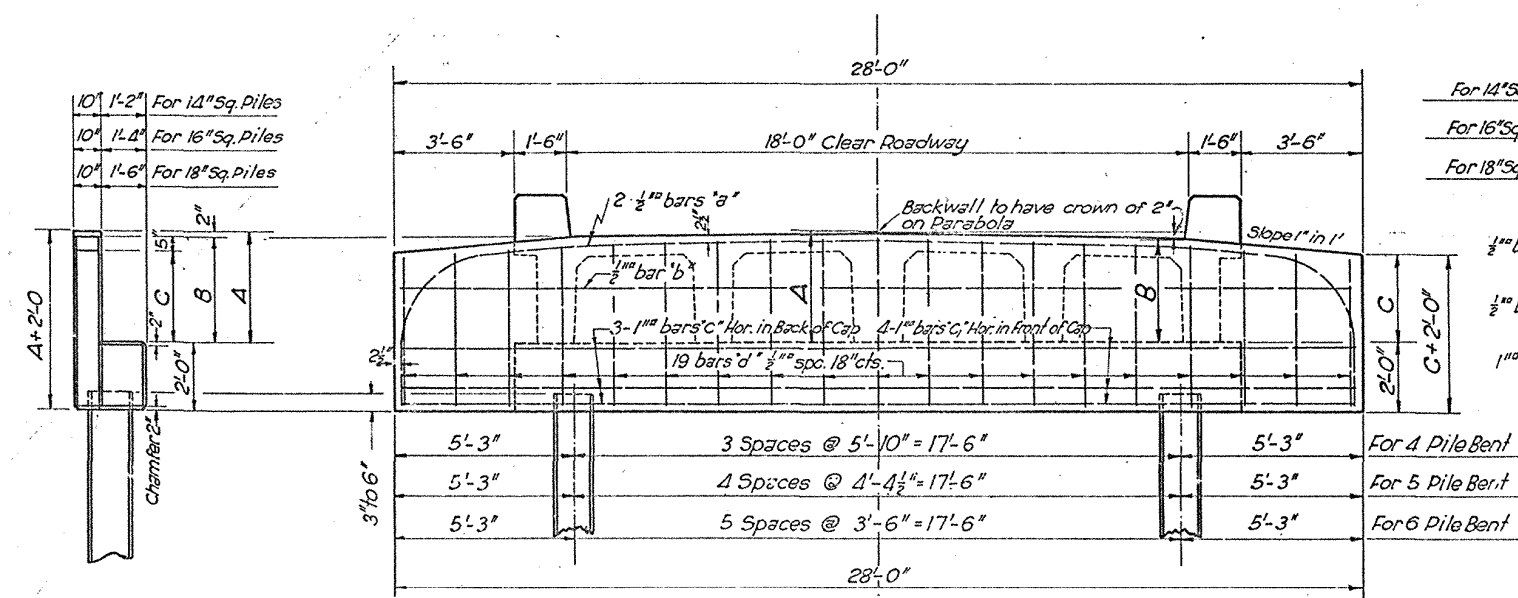


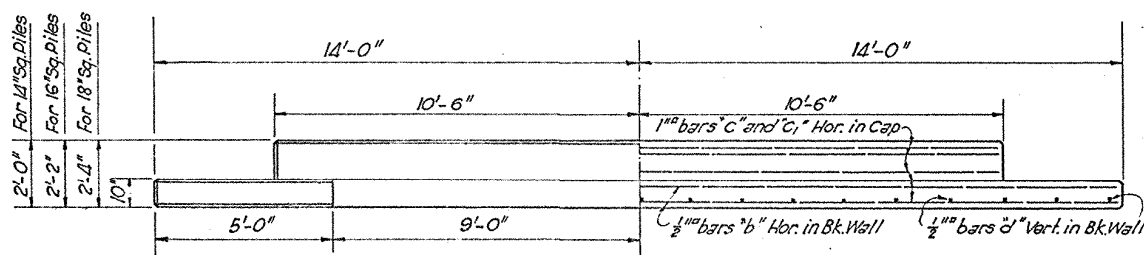


SECTION ON C

END VIEW

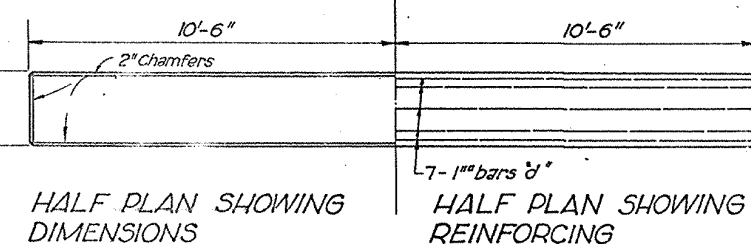
ELEVATION

SECTION ON C



HALF PLAN SHOWING DIMENSIONS

HALF PLAN SHOWING REINFORCING



HALF PLAN SHOWING DIMENSIONS

HALF PLAN SHOWING REINFORCING

DETAILS OF END BENT.

DETAILS OF INTERMEDIATE BENT.

QUANTITIES FOR ONE INTERMEDIATE BENT.

REINFORCING	TOTAL REINFORCING	CLASS 'A' CONCRETE CU. YDS.
No. Size and Length of Bars	REINFORCING STEEL LBS.	For 2'-0" x 2'-0" Cap For 2'-2" x 2'-2" Cap For 2'-4" x 2'-4" Cap
Bars 'd' 2 to each Girder	505	3.11 3.66 4.22
7-1" x 20'-6" 10-1" x 2'-0"		

*Note: For Piles up to 35' long use 14" Sq. Section.
For Piles 35' to 55' long use 16" Sq. Section.
For Piles 55' to 75' long use 18" Sq. Section.

GENERAL NOTE :-

Concrete in Piles and Caps to be Class 'A' 1:2:4 Mix. Maximum size of Aggregate = 1".
Preformed elastic expansion joint 1/2" thick to be placed between Girders over each Intermediate Bent.
All reinforcing to be deformed bars. Square twisted bars not to be considered as deformed.
Louisiana Highway Commission Specifications Sept. 1925 govern.

STANDARD PLAN
4-5 & 6 PILE BENT
FOR CONCRETE GIRDERS 18' ROADWAY 16' TO 40' CLEAR SPANS
LOUISIANA HIGHWAY COMMISSION
BATON ROUGE, LA.

Scale: 3/8" = 1'-0"

October 1925

Revised Feb. 1927

Submitted :-

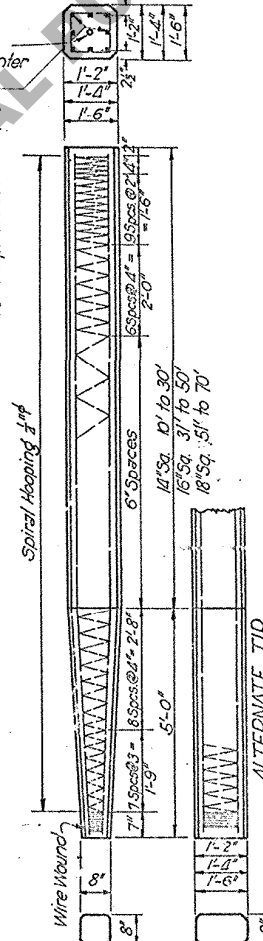
Bridge Engineer

B-2-150

C-9-100

DIMENSIONS AND QUANTITIES FOR END BENT																	
CLEAR SPAN	TOTAL LENGTH OF PILES OF GIRDER REQUIRED	NUMBER	DIMENSIONS			REINFORCING No. Size and Length of Bars						TOTAL REINFORCING STEEL LBS.	CLASS 'A' CONCRETE CU. YDS.				
			A	B	C	Bars "a" Backwall	Bars "b" Hor. in Backwall	Bars "c" Hor. in Cap	Bars "c" Hor. in Front of Cap	Bars "d" Vert. in Backwall	Dowels "e" 2 to each Girder Fixed End Only		For 2'-0" x 2'-0" Cap Where 14" Sq. Piles are used.	For 1'-2" x 2'-2" Cap Where 16" Sq. Piles are used.	For 2'-4" x 2'-4" Cap Where 18" Sq. Piles are used.		
16'	18'-6"	4	1'-10"	1'-8"	1'-3"	3'-10"	3'-3"	2'- $\frac{1}{2}$ " x 30'-6"	1'- $\frac{1}{2}$ " x 27'-6"	3'-1" x 27'-6"	4'-1" x 20'-5"	19'- $\frac{1}{2}$ " x 3'-3"	10'- $\frac{1}{2}$ " x 2'-0"	773	4.97	5.22	5.48
18'	20'-6"	4	2'-0"	1'-10"	1'-5"	4'-0"	3'-5"	2'- $\frac{1}{2}$ " x 31'-0"	"	"	"	19'- $\frac{1}{2}$ " x 3'-8"	"	781	5.11	5.36	5.63
20'	22'-6"	4	2'-0"	1'-10"	1'-5"	4'-0"	3'-5"	2'- $\frac{1}{2}$ " x 31'-0"	"	"	"	19'- $\frac{1}{2}$ " x 3'-8"	"	781	5.11	5.36	5.63
22'	24'-6"	4	2'-2"	2'-0"	1'-7"	4'-2"	3'-7"	2'- $\frac{1}{2}$ " x 31'-6"	"	"	"	19'- $\frac{1}{2}$ " x 3'-9"	"	783	5.26	5.51	5.77
24'	26'-6"	4	2'-2"	2'-0"	1'-7"	4'-2"	3'-7"	2'- $\frac{1}{2}$ " x 31'-6"	"	"	"	19'- $\frac{1}{2}$ " x 3'-9"	"	783	5.26	5.51	5.77
26'	28'-6"	4	2'-3"	2'-1"	1'-8"	4'-3"	3'-8"	2'- $\frac{1}{2}$ " x 31'-9"	"	"	"	19'- $\frac{1}{2}$ " x 4'-0"	"	785	5.33	5.58	5.84
28'	31'-0"	5	2'-5"	2'-3"	1'-10"	4'-5"	3'-10"	2'- $\frac{1}{2}$ " x 32'-3"	"	"	"	19'- $\frac{1}{2}$ " x 4'-0"	"	789	5.47	5.72	5.99
30'	33'-0"	5	2'-8"	2'-5"	2'-1"	4'-8"	4'-1"	2'- $\frac{1}{2}$ " x 33'-0"	"	"	"	19'- $\frac{1}{2}$ " x 4'-3"	"	793	5.69	5.94	6.16
32'	35'-0"	5	2'-11"	2'-9"	2'-4"	4'-11"	4'-4"	2'- $\frac{1}{2}$ " x 33'-9"	"	"	"	19'- $\frac{1}{2}$ " x 4'-6"	"	799	5.91	6.16	6.42
34'	37'-0"	5	3'-2"	3'-0"	2'-7"	5'-2"	4'-7"	2'- $\frac{1}{2}$ " x 34'-0"	"	"	"	19'- $\frac{1}{2}$ " x 4'-9"	"	804	6.12	6.37	6.64
36'	39'-0"	6	3'-3"	3'-1"	2'-8"	5'-3"	4'-8"	2'- $\frac{1}{2}$ " x 35'-0"	"	"	"	19'- $\frac{1}{2}$ " x 5'-0"	"	805	6.19	6.44	6.70
38'	41'-0"	6	3'-6"	3'-2"	2'-11"	5'-6"	4'-11"	2'- $\frac{1}{2}$ " x 35'-9"	"	"	"	19'- $\frac{1}{2}$ " x 5'-0"	"	810	6.41	6.62	6.92
40'	43'-0"	6	3'-9"	3'-7"	3'-2"	5'-9"	5'-2"	2'- $\frac{1}{2}$ " x 36'-6"	"	"	"	19'- $\frac{1}{2}$ " x 5'-3"	"	816	6.63	6.87	7.14

*Note: For Piles up to 35' long use 14" Sq. Section.
For Piles 35' to 55' long use 16" Sq. Section.
For Piles 55' to 75' long use 18" Sq. Section.



DETAIL OF CONCRETE PILE