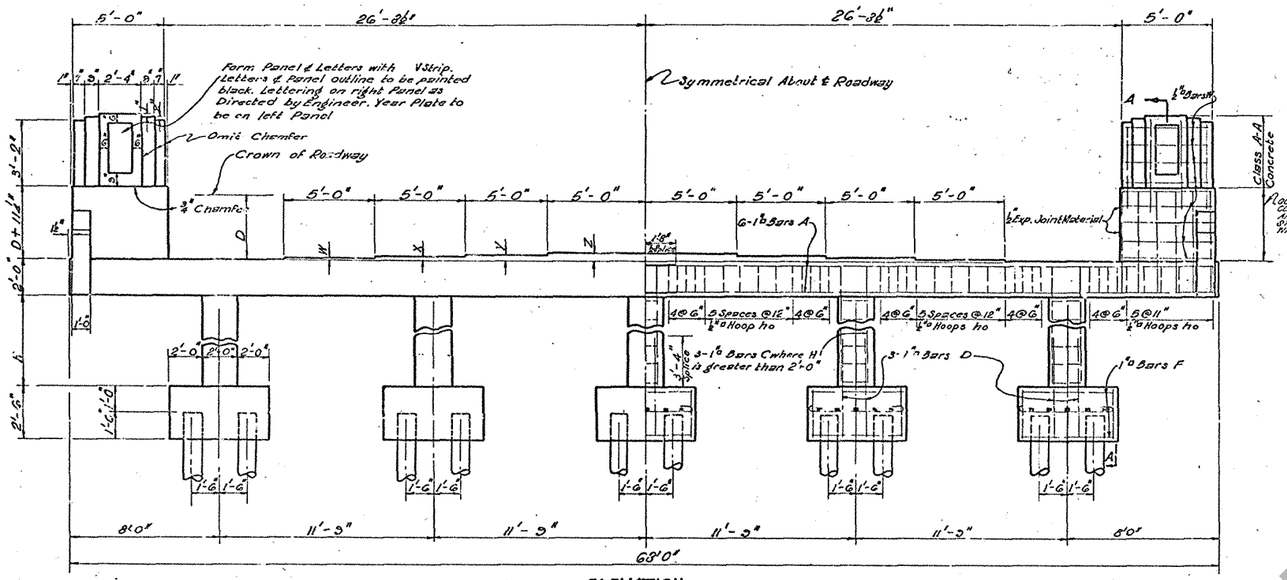
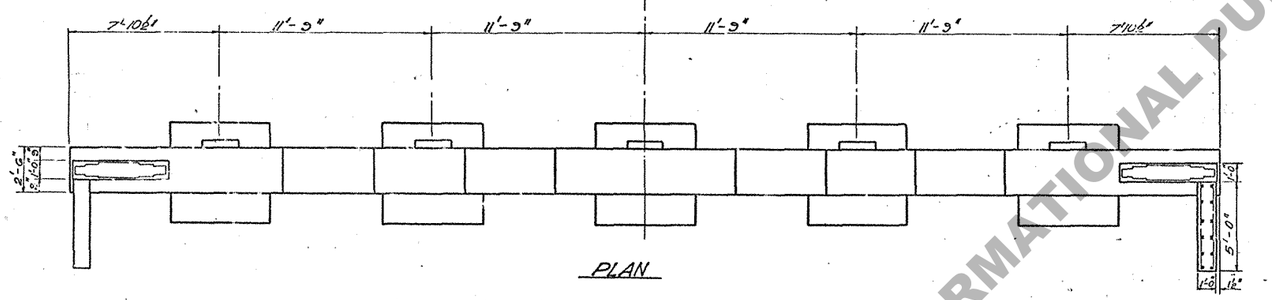
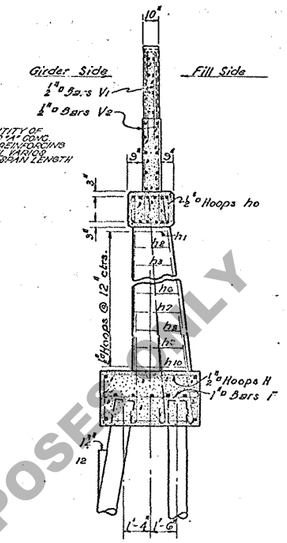


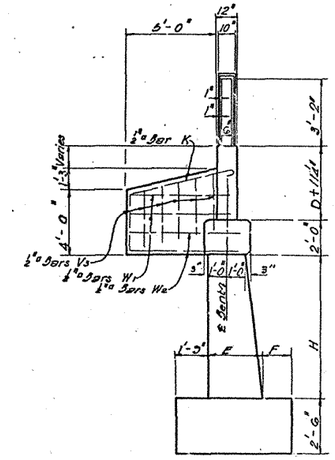
ELEVATION



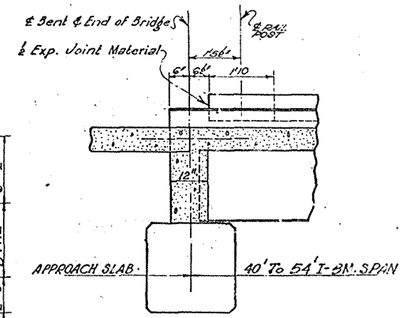
PLAN



SECTION A-A



END ELEVATION

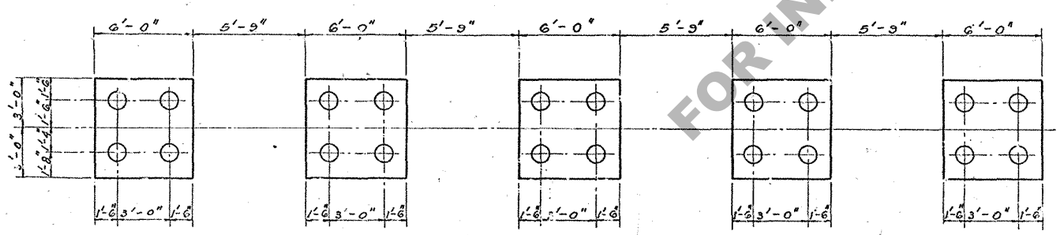


CONNECTION DETAIL

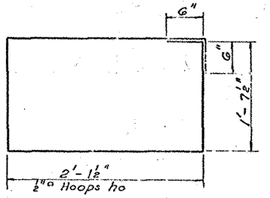
REINF. STEEL CONSTANT FOR ALL HEIGHTS H					
BAR	SIZE	No	UN. LENGTH	TOT. LENGTH	LOCATION
A	1"ø	24	33'-0"	792'-0"	Longit. in Cap
D	"	30	6'-7"	197'-6"	Col. & Footing
F	"	70	7'-8"	538'-8"	Footing
Total	1"ø	Bars		1528'-2" = 5189 #	
h1	½"ø	5	7'-6"	37'-6"	Col. Hoops
h2	"	5	7'-9"	38'-9"	"
ho	"	76	8'-6"	646'-0"	Cap Hoops
H	"	20	16'-0"	320'-0"	Ftg. Hoops
V1	"	16	4'-8"	74'-8"	Wing
V2	"	24	5'-7½"	134'-0"	"
V3	"	24	3'-9"	90'-0"	"
W	"	36	4'-3"	171'-0"	"
W1	"	8	5'-6"	44'-0"	"
W2	"	8	6'-0"	48'-0"	"
K	"	4	6'-3"	25'-0"	"
Total ½"ø Bars				1628'-11" = 1385 #	
TOTAL Reinforcing Steel = 6574 #					

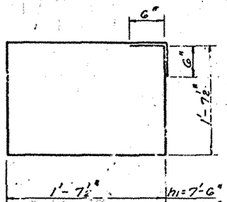
H	SPAN LENGTH FEET	w (inches)	X (inches)	Y (inches)	Z (inches)	D 7½ inches	Class A Conc. Cu. Yds.	Class A Conc. Cu. Yds.	Reinf. Steel lbs.
	40'	1⅛	2½	3/16	3/16	3'-1½"		.88	

DIMENSIONS AND APPROXIMATE QUANTITIES					
Height	Width "W"	Dimen. "F"	Reinf. Steel C.	Conc. C.	A Conc.
2'-0"	2'-3"	2'-0"	551.4#	33.54	0.88
3'-0"	2'-4½"	2'-10½"	702.2#	33.89	0.88
4'-0"	2'-6"	1'-9"	792.6#	34.20	0.88
5'-0"	2'-7½"	1'-7½"	708.7#	35.25	0.88
6'-0"	2'-9"	1'-6"	759.6#	36.74	0.88
7'-0"	2'-10½"	1'-4½"	764.7#	37.78	0.88
8'-0"	3'-0"	1'-5"	779.0#	38.81	0.88
9'-0"	3'-1½"	1'-1½"	789.0#	41.00	0.88
10'-0"	3'-3"	1'-0"	802.0#	41.10	0.88



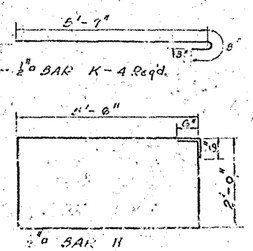
FOOTING LAYOUT





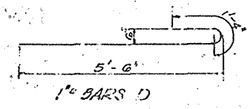
1'-7½"	h1=7'-6"
1'-9"	h2=7'-9"
1'-10½"	h3=8'-0"
2'-0"	h4=8'-3"
2'-1½"	h5=8'-6"
2'-3"	h6=8'-9"
2'-4½"	h7=9'-0"
2'-6"	h8=9'-3"
2'-7½"	h9=9'-6"
2'-9"	h10=9'-9"

½"ø Hoops h1 To h10

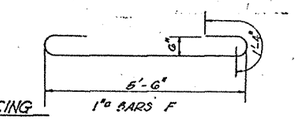


½"ø BAR H

½"ø BAR K - 4 Req'd.



1"ø BARS D



1"ø BARS F

GENERAL NOTES:
Specifications: Louisiana Highway Commission.
All concrete not shown otherwise to be Class A.
All exposed corners to be chamfered 1" unless otherwise noted.
All exposed surfaces to have a Rubbed Finish.
Max. Pile Load = 16.0 Tons.

NOTE:
ALL QUANTITIES SHOWN ARE FOR 40' SPAN

S.C. 50

STANDARD PLAN
END BENTS
TIMBER PILE FOOTING
50' DIVIDED ROADWAY 2-1'-2½" PATHWAYS
S.C. 50 40' To 54' SPANS

LOUISIANA HIGHWAY COMMISSION
BATON ROUGE, LA. June 1948

DATE	DESCRIPTION	BY
1-31-58	QUANTITIES & DIMS.	
1-15-58	GEN. NOTES & DIMS.	
11-15-50	QUANTITIES	
REVISION		

DESIGNED J. J. McCOY
CHECKED
IN CHARGE OF
DETAILED J. R. J. & C. P. D.
CHECKED
UNDER DIRECTION OF ENGINEER

FOR INFORMATIONAL PURPOSES ONLY