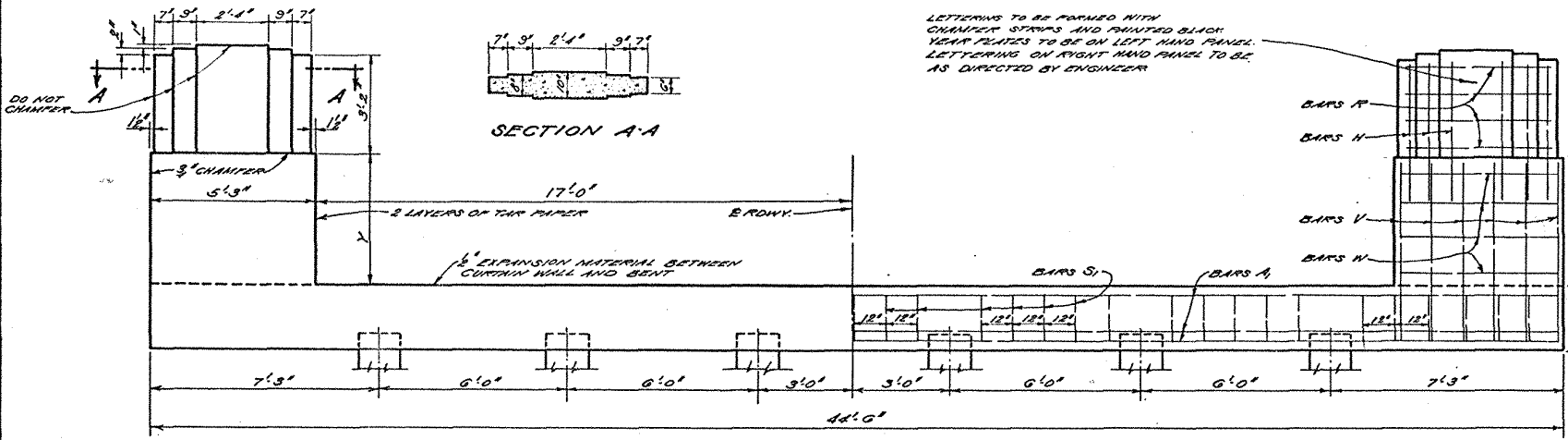
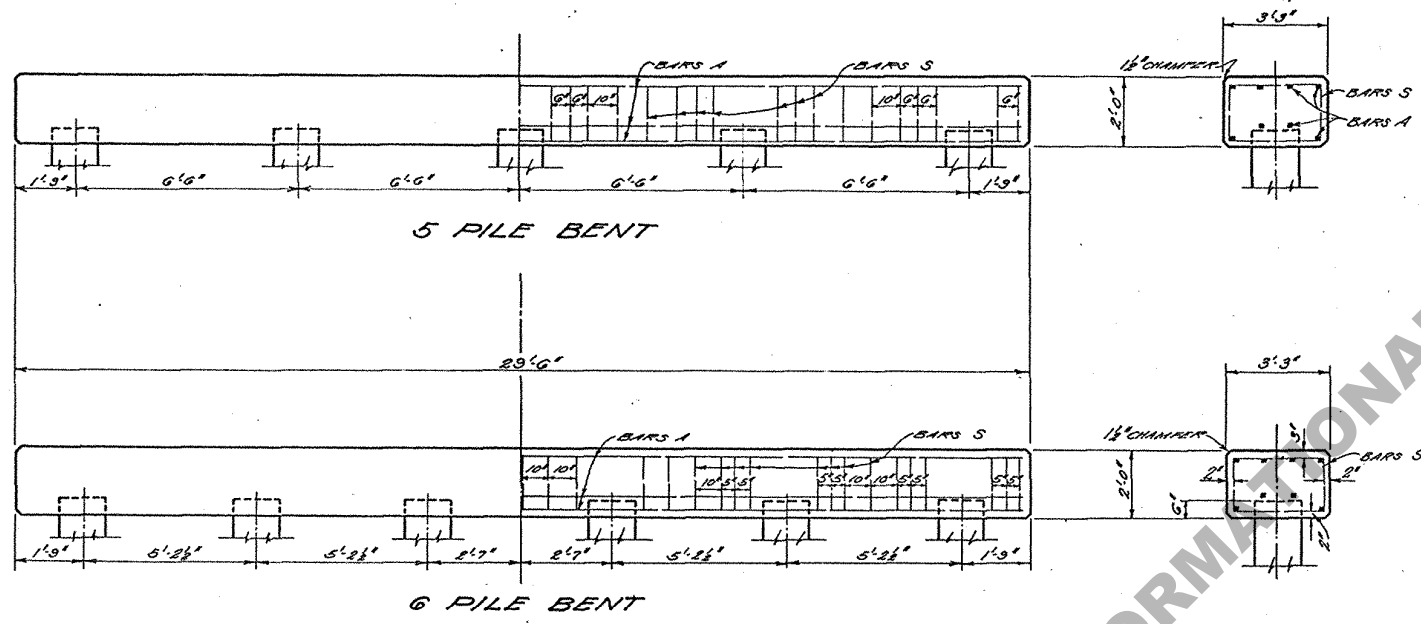


END BENTS - SPANS 30 TO 40 FT.											
30 FT. SPAN			32 FT. SPAN			34 FT. SPAN			36 FT. SPAN		
BAR NO.	SIZE	UNIT	BAR NO.	SIZE	UNIT	BAR NO.	SIZE	UNIT	BAR NO.	SIZE	UNIT
S 37	5/8"	333' 0"	S 37	5/8"	333' 0"	S 37	5/8"	333' 0"	S 37	5/8"	333' 0"
V 24	5/8"	138' 0"	V 24	5/8"	138' 0"	V 24	5/8"	138' 0"	V 24	5/8"	138' 0"
TOTAL 5/8" BARS 471' 0"			TOTAL 5/8" BARS 471' 0"			TOTAL 5/8" BARS 471' 0"			TOTAL 5/8" BARS 471' 0"		
N 10	5/8"	78' 0"	N 10	5/8"	78' 0"	N 10	5/8"	78' 0"	N 10	5/8"	78' 0"
R 10	5/8"	78' 0"	R 10	5/8"	78' 0"	R 10	5/8"	78' 0"	R 10	5/8"	78' 0"
H 24	5/8"	138' 0"	H 24	5/8"	138' 0"	H 24	5/8"	138' 0"	H 24	5/8"	138' 0"
TOTAL 5/8" BARS 471' 0"			TOTAL 5/8" BARS 471' 0"			TOTAL 5/8" BARS 471' 0"			TOTAL 5/8" BARS 471' 0"		
A 8	1"	352' 8"	A 8	1"	352' 8"	A 8	1"	352' 8"	A 8	1"	352' 8"
TOTAL 1" BARS 352' 8"			TOTAL 1" BARS 352' 8"			TOTAL 1" BARS 352' 8"			TOTAL 1" BARS 352' 8"		
TOTAL REIN. STEEL = 1867 LBS.			TOTAL REIN. STEEL = 1867 LBS.			TOTAL REIN. STEEL = 1867 LBS.			TOTAL REIN. STEEL = 1867 LBS.		
CLASS "A" CONC. = 11.30 CU. YDS.			CLASS "A" CONC. = 11.30 CU. YDS.			CLASS "A" CONC. = 11.30 CU. YDS.			CLASS "A" CONC. = 11.30 CU. YDS.		

SPAN	Y
30	4'-1 1/8"
32	4'-1 3/8"
34	4'-1 5/8"
36	4'-1 7/8"
38	4'-2 1/8"
40	4'-2 3/8"



FOR DETAILS OF CONCRETE PILES
SEE STD. PLAN C-5-149

DESIGN LOAD, NUMBER AND SIZE OF PILES			
SPAN STD. C-5-320	END BENT		INTERMEDIATE BENT
	TOTAL DESIGN LOAD IN TONS	MINIMUM SIZE & NO. OF PILES CAPABLE OF ENDING TONS	TOTAL DESIGN LOAD IN TONS
30	144.2	14" 6 @ 24.0 TONS	138.2
32	147.7	14" 6 @ 24.6	145.4
34	151.5	14" 6 @ 25.2	150.0
36	155.0	14" 6 @ 25.8	153.9
38	159.0	14" 6 @ 26.5	167.8
40	163.5	14" 6 @ 27.2	176.3

Note: Max. Pile Loads Unless Otherwise Indicated By Bridge Des. Section.
14" Square R.C. Piles @ 30 Tons
16" Square R.C. Piles @ 34 Tons
18" Square R.C. Piles @ 39 Tons

INTERMEDIATE BENT - 5 PILES				
BAR	SIZE	NO.	UNIT LENGTH	LOCATION
S	5/8"	36	10' 0"	HOOPS IN CAP
TOTAL 5/8" BARS				360' 0" = 576 POUNDS
A	1"	8	29' 1"	CAP
TOTAL 1" BARS				232' 8" = 791 POUNDS
TOTAL REINFORCING STEEL =				1166 POUNDS
TOTAL CLASS "A" CONCRETE =				6.34 CU. YDS.

INTERMEDIATE BENT - 6 PILES				
BAR	SIZE	NO.	UNIT LENGTH	LOCATION
S	5/8"	37	10' 0"	HOOPS IN CAP
TOTAL 5/8" BARS				370' 0" = 586 POUNDS
A	1"	8	29' 1"	CAP
TOTAL 1" BARS				232' 8" = 791 POUNDS
TOTAL REINFORCING STEEL =				1177 POUNDS
TOTAL CLASS "A" CONCRETE =				6.30 CU. YDS.

GENERAL NOTES:
CONST. SPECS: LATEST APPROVED LA. HWY. DEPT. STD. SPECS.
ALL DIMENSIONS TO REINFORCING ARE TO BARS CENTER.
DESIGN SPECS: LA. HWY. COMMISSION 1940
QUANTITIES COMPUTED ASSUMING USE OF 15# BARS.
COST OF EXPANSION MATERIAL AND TAR PAINTS TO BE
INCLUDED IN PRICE B/D FOR OTHER ITEMS.

STANDARD PLAN
REINFORCED CONCRETE PILE BENTS
FOR R.C.D.G. SPANS
28' 0" CLEAR ROADWAY 1' 6" SIDEWALKS
TO BE USED WITH STD. PLAN C-5-320
DATED DEC. 1943

STATE OF LOUISIANA
DEPARTMENT OF HIGHWAYS

DESIGNED	BY	TRACED	BY
CHECKED	BY	CHECKED	BY
IN CHARGE OF	BY	IN CHARGE OF	BY

REVISIONS

DATE DESCRIPTION BY