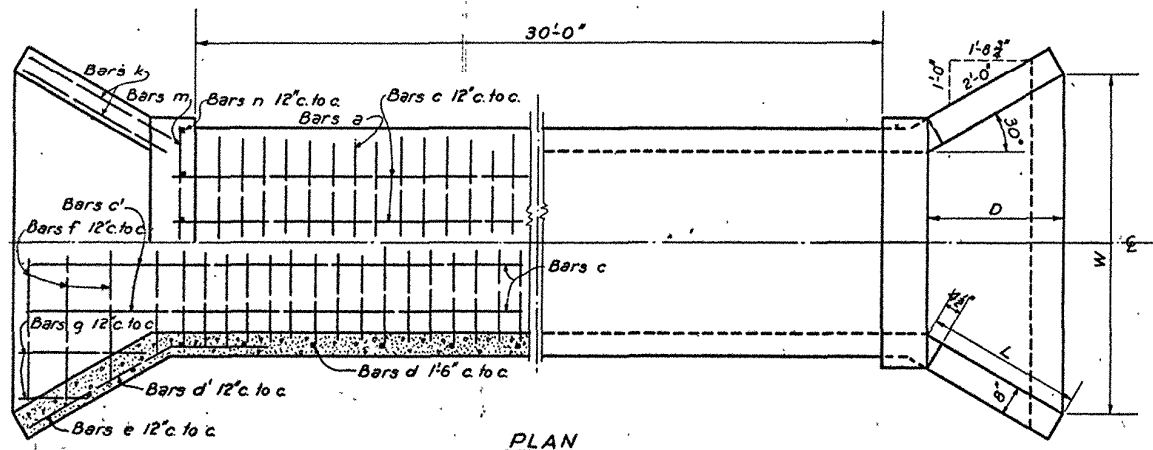
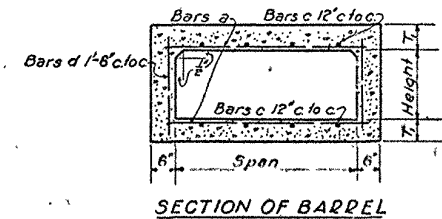
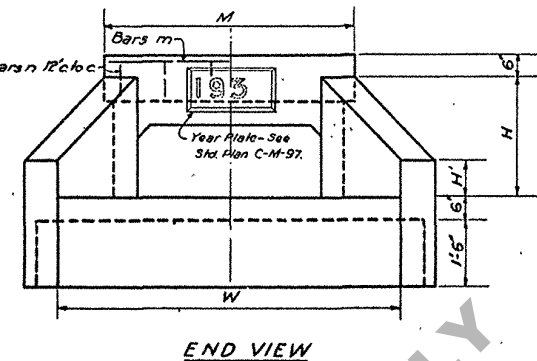
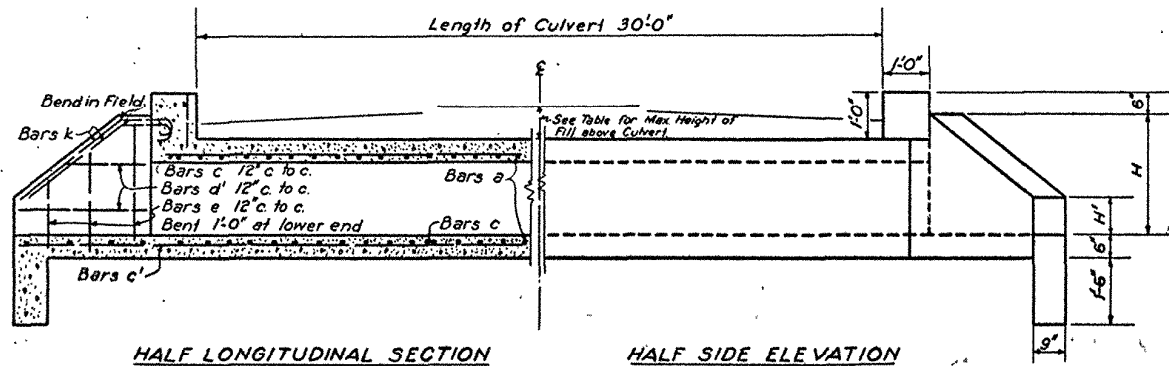
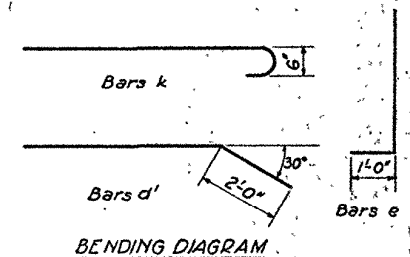




DIMENSIONS AND QUANTITIES FOR 30'-0" CULVERT																
OPENING			BARREL		WINGS & FLOOR								PER LIN. FT. BARREL		TOTAL QUANTITIES	
CLEAR SPAN	CLEAR HEIGHT	AREA	T	M	H	H'	L	W	D	X	STEEL	CONC.	STEEL	CONC.		
FT.	FT. IN.	SQ. FT.	IN.	FT. IN.	FT. IN.	FT. IN.	FT. IN.	FT. IN.	FT. IN.	FT. IN.	LBS.	CUYDS.	LBS.	CUYDS.		
2	1-3	2.50	6	3-6	2-3	0-9	3-0	5-0	2-7	12-0	12.7	.157	552	6.7		
	1-6	3.00	6	3-6	2-6	0-10	3-3	5-3	2-10	12-0	13.0	.167	567	7.2		
	1-8	3.33	6	3-6	2-8	0-10½	3-5	5-5	3-0	12-0	13.2	.173	582	7.5		
3	1-3	3.75	6	4-6	2-3	0-9	3-0	6-0	2-7	12-0	18.4	.194	752	8.1		
	1-6	4.50	6	4-6	2-6	0-10	3-3	6-3	2-10	12-0	18.7	.204	769	8.6		
	1-8	5.00	6	4-6	2-8	0-10½	3-5	6-5	3-0	12-0	18.9	.210	781	8.9		
4	1-3	5.00	7	5-6	2-4	0-9	3-2	7-2	2-9	9-0	25.4	.262	1003	10.6		
	1-6	6.00	7	5-6	2-7	0-10	3-5	7-5	3-0	9-0	25.7	.271	1019	11.1		
	1-8	6.67	7	5-6	2-9	0-10½	3-8	7-8	3-2	9-0	25.9	.277	1030	11.4		
5	1-3	6.25	7½	6-6	2-4½	0-9	3-3	8-3	2-10	5-0	30.6	.324	1189	12.9		
	1-6	7.50	7½	6-6	2-7½	0-10	3-5	8-5	3-0	5-0	30.9	.333	1202	13.4		
	1-8	8.33	7½	6-6	2-9½	0-10½	3-8	8-8	3-2	5-0	31.1	.341	1213	13.8		



GENERAL NOTES & DESIGN DATA
 Construction Specs. - Latest Approved La. Hwy. Dept. Std. Specs.
 Design Specs. La. Hwy. Comm. Feb. 1929.
 Concrete - All class A.
 Steel - All 1/2" bars, deformed.
 All exposed corners to be chamfered 3/4".

Design Loads:
 Concentrated load - 15 ton typical truck, with 30% impact allow.
 Steel in tension 16000 lbs. Concrete in compression 650 lbs.
 Fill above slab of culvert is not to exceed the maximum height "X" as given in table.
 For multiple opening use same dimensions and steel, making intermediate walls 6" thick.
 All dimensions referring to bars are to centers of bars.
 Reinforcing bars should be wired at intersections and properly secured against displacement during depositing of concrete.

STEEL SCHEDULE FOR 30'-0" CULVERT																																
OPENING		BARREL REINFORCEMENT										WING AND CURB REINFORCEMENT																				
CLEAR SPAN FT.	CLEAR HEIGHT FT. IN.	Bars a		Bars b		Bars d		Bars c'		Bars d'				Bars e				Bars f				Bars g				Bars k		Bars m		Bars n		
		SPC	LGTH.	NO.	NO.	LGTH.	NO.	LGTH.	NO.	LGTH.	SHORT BAR	VARIA TION	LONG BAR	NOEA BAR	SHORT BAR	VARIA TION	LONG BAR	NOEA BAR	SHORT BAR	VARIA TION	LONG BAR	NOEA BAR	SHORT BAR	VARIA TION	LONG BAR	NOEA BAR	NO.	LGTH.	NO.	LGTH.	NO.	LGTH.
2	1-3	8"	2'-9"	96	4	31'-9"	40	2'-0"	4	4'-7"	4'-9"	11"	5'-8"	4	2'-0"	7"	3'-2"	4	3'-7"	1'-2"	5'-11"	2	1'-0"	1'-9"	2'-9"	4	8	4'-6"	2	3'-3"	8	1'-3"
	1-6	8"	2'-9"	96	4	31'-9"	40	2'-3"	4	4'-10"	4'-9"	1'-2"	5'-11"	4	2'-1"	7"	3'-3"	4	3'-10"	1'-2"	6'-2"	2	1'-0"	1'-9"	2'-9"	4	8	4'-9"	2	3'-3"	8	1'-3"
	1-8	8"	2'-9"	96	4	31'-9"	40	2'-5"	4	5'-0"	4'-9"	1'-4"	6'-1"	4	2'-2"	7"	3'-4"	4	4'-0"	1'-2"	6'-4"	2	1'-0"	1'-9"	2'-9"	4	8	5'-0"	2	3'-3"	8	1'-3"
3	1-3	7"	3'-9"	110	6	31'-9"	40	2'-0"	8	4'-7"	4'-9"	11"	5'-8"	4	2'-0"	7"	3'-2"	4	4'-7"	1'-2"	6'-11"	2	1'-0"	1'-9"	2'-9"	4	8	4'-6"	2	4'-3"	10	1'-3"
	1-6	7"	3'-9"	110	6	31'-9"	40	2'-3"	6	4'-10"	4'-9"	1'-2"	5'-11"	4	2'-1"	7"	3'-3"	4	4'-10"	1'-2"	7'-2"	2	1'-0"	1'-9"	2'-9"	4	8	4'-9"	2	4'-3"	10	1'-3"
	1-8	7"	3'-9"	110	6	31'-9"	40	2'-5"	6	5'-0"	4'-9"	1'-4"	6'-1"	4	2'-2"	7"	3'-4"	4	5'-0"	1'-2"	7'-4"	2	1'-0"	1'-9"	2'-9"	4	8	5'-0"	2	4'-3"	10	1'-3"
4	1-3	6"	4'-9"	128	8	31'-9"	40	2'-2"	8	4'-9"	4'-9"	1'-1"	5'-10"	4	2'-0"	7"	3'-2"	4	5'-9"	1'-2"	8'-1"	2	1'-0"	1'-9"	2'-9"	4	8	4'-8"	2	5'-3"	12	1'-4"
	1-6	6"	4'-9"	128	8	31'-9"	40	2'-5"	8	5'-0"	4'-9"	1'-4"	6'-1"	4	2'-1"	7"	3'-3"	4	6'-0"	1'-2"	8'-4"	2	1'-0"	1'-9"	2'-9"	4	8	5'-0"	2	5'-3"	12	1'-4"
	1-8	6"	4'-9"	128	8	31'-9"	40	2'-7"	8	5'-2"	4'-9"	1'-7"	6'-4"	4	2'-2"	7"	3'-4"	4	6'-3"	1'-2"	8'-7"	2	1'-0"	1'-9"	2'-9"	4	8	5'-2"	2	5'-3"	12	1'-4"
5	1-3	6"	5'-9"	128	10	31'-9"	40	2'-3"	10	4'-10"	4'-9"	1'-2"	5'-11"	4	2'-0"	7"	3'-2"	4	6'-10"	1'-2"	9'-2"	2	1'-0"	1'-9"	2'-9"	4	8	4'-9"	2	6'-3"	14	1'-4"
	1-6	6"	5'-9"	128	10	31'-9"	40	2'-6"	10	5'-0"	4'-9"	1'-4"	6'-1"	4	2'-1"	7"	3'-3"	4	7'-0"	1'-2"	9'-4"	2	1'-0"	1'-9"	2'-9"	4	8	5'-0"	2	6'-3"	14	1'-4"
	1-8	6"	5'-9"	128	10	31'-9"	40	2'-8"	10	5'-2"	4'-9"	1'-7"	6'-4"	4	2'-2"	7"	3'-4"	4	7'-3"	1'-2"	9'-7"	2	1'-0"	1'-9"	2'-9"	4	8	5'-2"	2	6'-3"	14	1'-4"

SHALLOW CONCRETE BOX CULVERTS
 FLARING WING WALLS
 2 FT. TO 5 FT. SPANS.

LOUISIANA HIGHWAY COMMISSION			
Jan 16	Gen. Notes & No.	By	Checked
5-16-35	Revised	By	Checked
4-25-35	Quantity	By	Checked
4-25-35	Description	By	Checked
REVISIONS			
In Charge of <i>Charles A. Myers</i>			

(Old No. 8-2-3b)

C-C-313