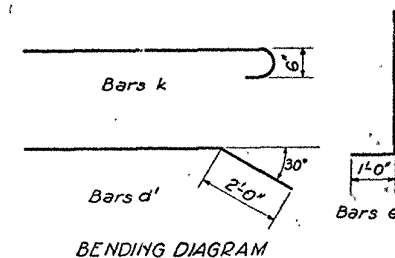


OPENING		BARREL		WINGS & FLOOR										PER LIN. FT. BARREL		TOTAL QUANTITIES	
CLEAR SPAN	CLEAR HEIGHT	AREA	T	M	H	H'	L	W	D	X	STEEL	CONC.	STEEL	CONC.			
FT.	FT. IN.	SQ. FT.	IN.	FT. IN.	FT. IN.	FT. IN.	FT. IN.	FT. IN.	FT. IN.	FT. IN.	LBS.	CU YDS.	LBS.	CU YDS.			
2	1-3	2.50	6	3-6	2-3	0-9	3-0	5-0	2-7	12-0	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	0-10 $\frac{3}{4}$	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	0-10 $\frac{3}{4}$	3-5	6-5	3-0	12-0	18.9	.210	781	8.9			
	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			
4	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	0-10 $\frac{3}{4}$	3-8	7-8	3-2	9-0	25.9	.277	1030	11.4			
	1-3	6.25	7 $\frac{1}{2}$	6-6	2-4 $\frac{1}{2}$	0-9	3-3	8-9	2-10	5-0	30.6	.324	1189	12.9			
5	1-6	7.50	7 $\frac{1}{2}$	6-6	2-7 $\frac{1}{2}$	0-10	3-5	8-5	3-0	5-0	30.9	.333	1202	13.4			
	1-8	8.33	7 $\frac{1}{2}$	6-6	2-9 $\frac{1}{2}$	0-10 $\frac{1}{2}$	3-8	8-8	3-2	5-0	31.1	.341	1213	13.8			



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

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 c		Bars d		Bars c'		Bars d'				Bars e				Bars f				Bars g				Bars k		Bars m		Bars n	
		SPC	G	L	NO.	NO.	L	NO.	L	NO.	L	NO.	L	NO.	L	NO.	L	NO.	L	NO.	L	NO.	L	NO.	L	NO.	L	NO.	L				
2	1-3	8"	2 1/2"	96	4	3 1/2"	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 1/2"	96	4	3 1/2"	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 1/2"	96	4	3 1/2"	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	3 1/2"	40	2'-0"	6	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	3 1/2"	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	3 1/2"	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	3 1/2"	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	3 1/2"	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	3 1/2"	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	3 1/2"	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	3 1/2"	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	3 1/2"	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

[illegible]

(old N^o 8-2-30)

0-6-75