



Quantities shown for reinforcing steel shall be reduced by 1% (0.01) to comply with approved C. R. S. I. weights per foot for reinforcing bars.

GENERAL NOTES

All reinforcing steel shall be deformed round bars. The design and table are based upon net areas of bars as follows: 1/2" = 0.1963 sq. in., 3/4" = 0.3068 sq. in., 1" = 0.442 sq. in. Other sizes may be used provided they are spaced so as to give as much net sectional area per foot width of slab. Plans showing such changed sizes and spacing must be approved. Bars when lapped shall be lapped 50 diameters.

All exposed surfaces to have carborundum finish and this shall be included in price bid per cu. yd. for concrete.

All exposed edges shall have 3/4" chamfer.

DESIGN DATA

Concrete slab	LLM = 909 x 40 = 36,360 in. lbs
6' span 8 1/2" / 106 Lbs.	I = 30% LLM = 10,910 "
Dirt Fill	100 " DL = 1/8 W L ²
Paving 7"	87 " = 1/8 x 293 x 667 x 2 = 19,550 "
Total D.L.	293 " 66,820 "

OKLAHOMA STATE STANDARD CONCRETE BOX CULVERTS SKEWED 60° SPANS 2 TO 10 FT. FOR FILLS NOT OVER 3 FT.

DESIGN NO.	BARREL OF CULVERT															TWO WINGS AND ONE APRON															TWO CURBS					TOTAL QUANTITIES					DESIGN NO.						
	Clear Span	Clear Height	Area of Opening	Dimensions			Reinforcing Steel						QUANTITIES		DIMENSIONS								REINFORCING STEEL					QUANTITIES		Reinforcing Steel			QUANTITIES														
1	2'-0"	4.0	6"	6"	3'-0"	3'-0"	1/2" φ-6"	2'-8"	2	A-6"	2'-6"	1/2" φ-9"	3'-8"	1/2" φ-18"	8	19.34	0.185	2'-10"	1'-8"	3'-2 1/2"	5'-6"	2'-9"	9'-9 1/2"	4'-9 1/2"	2'-3 1/2"	1'-7"	4	3'-2"	3	2'-10"	3	2	4'-8"	2	7'-6"	4	7	77	1.25	6'-1"	3'-5"	26	0.41	0.242	10.23	899	1

Drawn by - D.S. Marshall March, 1930.
 Checked by - G.B.H. July, 1942.
 Redrawn by - S.G.N. Aug., 1947.
 Checked by - G.W.C.