



Notes:  
 All bars shall be round and deformed and shall be lapped 20 diameters at all splices.  
 Tie bars to be #5 with 12" C-C maximum spacing.  
 Dimensions S and Y are specified on location plan.  
 Bars shall be covered at all points with 1" of concrete unless otherwise specified herein.

A bars				B bars			
Span S	Size	Spacing	Length	Size	Spacing	Q"	Length
3'-6"	#5	14"	8'-10"	#5	14"	22"	10'-8 1/2"
4'-0"	"	12"	9'-10"	"	12"	24"	11'-8 1/2"
4'-6"	"	11"	10'-10"	"	11"	26"	12'-8 1/2"
5'-0"	"	10"	11'-10"	"	10"	28"	13'-8 1/2"
5'-6"	"	10"	12'-10"	"	10"	30"	14'-8 1/2"
6'-0"	"	10"	13'-10"	"	10"	32"	15'-8 1/2"

SCHEDULE OF STANDARD REINFORCING  
 Quantities per 10' Length of Standard Section

Span S	Concrete Volume (Cu. Yd.) For any Depth Y							Steel Pounds
	4'-8"	5'	10'	12'	14'	16'	18'	
3'-6"	5.54	5.60	5.66	5.79	5.91	6.03	6.16	742
4'-0"	6.11	6.17	6.23	6.36	6.48	6.60	6.73	845
4'-6"	6.67	6.73	6.79	6.92	7.04	7.16	7.29	998
5'-0"	7.23	7.29	7.35	7.48	7.60	7.72	7.85	1118
5'-6"	7.80	7.86	7.92	8.05	8.17	8.29	8.42	1231
6'-0"	8.36	8.42	8.48	8.61	8.73	8.85	8.98	1303

LOS ANGELES COUNTY ROAD DEPARTMENT

STANDARD REINFORCED CONCRETE  
 BOX CULVERT NO. 2

STANDARD PLAN  
 56-02

APPROVED J. J. Morken 10 Dec 69  
 ROAD COMMISSIONER