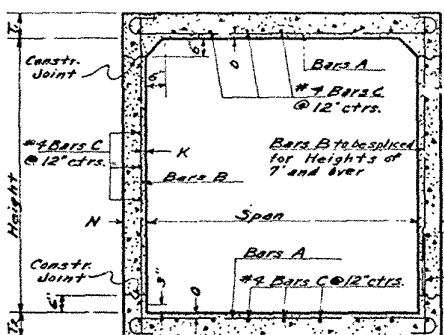


Construction Specifications: Latest approved La Dept. of
Highways, Standard Specifications
Design Specifications: A. S. 11.0. 1953 as amended to Dec. 31
1955: Live Load H: 20-S:16-44 (Modified)
All Concrete to be Class "A"
All exposed corners to have $\frac{3}{4}$ " Chamfer, unless otherwise noted
Reinforcement shall be Intermediate or Hard Grade A.S.T.M. A15,
or Rail Steel A.S.T.M. A16, conforming to A.S.T.M. A-305
Dimensions relating to Reinforcing Steel are +, - per centers
Place about 2 cu. ft. of large size Gravel or loose Rock behind
and around each Weep-Hole
For details of Construction and Expansion Joints, See Std. Plan
CM-79



Reinforcement drawing for a 30' x 10' slab. The drawing shows a plan view of the slab with reinforcement bars labeled #4 Bars P, #4 Bars Pa, #4 Bars Fe, and #4 Bars Fe. It includes dimensions for bar spacing (e.g., 12" Equal Spacing), bar lengths (e.g., 30'-0"), and a 45-degree development length triangle. A section line A-A is indicated.

Diagram illustrating the reinforcement details for a column cross-section. The column has a total height H and a width of $1'-0"$. The reinforcement includes #6 Bars N (top and bottom), #6 Bars M (left and right), and #7 Bars N (middle horizontal). The dimensions shown are $2'-0"$ for the top and bottom sections, $9"$ for the middle section, and $1'-0"$ for the column width. A note indicates $2'-0"$ Min for the top and bottom sections.

SECTION A-A

DIMENSIONS - BARS A AND A1		
Size	R	S
# 6	5 1/4"	11"

DIMENSIONS																		QUANTITIES					
OPENING		BARREL				WINGS AND CURBS												PER LIN. FT. BARREL		43'-0" CULVERT			
Span in Feet	Height in Feet	T ₁	T ₂	N	O	K	B	E	J	G	F	H	L	L ₁	P	P ₁	M	STEEL	CONCRETE	STEEL	CONCRETE		
		In	In	In	In	In	In.	Fr-In	Fr-In	Fr-In	In	Fr-In	Fr-In	Fr-In	Fr-In	Fr-In	Fr-In	Fr-In	Lbs.	Cu Yds.	Lbs.	Cu Yds.	
7	4																						
	5																						
	6																						
	7																						
8	4																						
	5																						
	6																						
	7																						
	8	9½	9½	8	⅞	⅞	10	2-0	1-11	9-9	8-7	9-9½	10-7½	26-1½	17-8½	25-9½	56-3½	122	63	0.95	16	0.465	88.5
	5																						
	6																						
	7																						
9	8																						
	9																						
	5																						
	6																						
10	7																						
	8																						
	9																						
	10																						

[illegible][illegible]

MAXIMUM FILL						MAXIMUM FILL					
Span in Feet	Height in Feet	Area Sq. Ft.	Slab	Wall		Span in Feet	Height in Feet	Area Sq. Ft.	Slab	Wall	
7	4	28				9	5	45			
	5	35					6	54			
	6	42					7	63			
	7	49					8	72			
	4	32					9	81			
	5	40					5	50			
8	6	48					6	60			
	7	56					7	70			
	8	64	11	5		10	8	80			
							9	90			
							10	100			

STANDARD PLAN
REIN. CONCRETE BOX CULVERTS
STRAIGHT WALLS 45° CROSSING
2:1 SLOPE NORMAL TO CHANNEL
7' TO 10' SPANS 4' TO 10' HEIGHTS

STATE OF LOUISIANA

DEPARTMENT OF HIGHWAYS

3-11-56			DESIGNED <i>2 2 Month</i>	FILED <i>2 2 Month</i>	TRACED <i>MUTE</i>
DATE	DESCRIPTION	BY	CHECKED <i>Blalows</i>	CHECKED <i>Blalows</i>	CHECKED <i>Estinon</i>
REVISIONS			SEE DESIGN SECTION		