



CLEAR SPAN	CLEAR HEIGHT	CLEAR WIDTH	DIMENSIONS		BARS A										BARS B										BARS C										QUANTITIES				TOTAL QUANTITIES														
					SIZE		LENGTH		NO. PER LIN. FT.		NO. PER LIN. FT.		NO. PER LIN. FT.		CONC. SLAB		CONC. CURBS		CONC. CURBS		CONC. CURBS		CONC. CURBS		CONC. CURBS		CONC. CURBS		CONC. CURBS		CONC. CURBS		CONC. CURBS		CONC. CURBS																		
					IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT																			
20'	2'-0"	4.0	6 1/2"	9"	11"	13"	15"	17"	19"	21"	23"	25"	27"	29"	31"	33"	35"	37"	39"	41"	43"	45"	47"	49"	51"	53"	55"	57"	59"	61"	0.85	4	4	12'-5"	0.0728	0.3456	9.20	1.36	4.3	4.52	3.02	11.72	2.42	3.15	13.26	2.60	3.28	14.02	2.73	3.38	14.66	2.90	
18'	2'-0"	6.0	7"	9"	11"	13"	15"	17"	19"	21"	23"	25"	27"	29"	31"	33"	35"	37"	39"	41"	43"	45"	47"	49"	51"	53"	55"	57"	59"	61"	0.85	5	4	13'-5"	0.0933	0.4156	11.99	1.52	4.7	5.60	3.65	12.80	3.22	3.78	14.76	3.11	3.94	15.66	3.66	4.10	16.23	3.79	
16'	2'-0"	10.0	7 1/2"	10"	12"	14"	16"	18"	20"	22"	24"	26"	28"	30"	32"	34"	36"	38"	40"	42"	44"	46"	48"	50"	52"	54"	56"	58"	60"	62"	64"	0.85	6	4	15'-3"	0.1246	0.5672	16.52	1.72	5.3	6.12	4.57	14.65	4.36	4.78	15.02	4.64	4.99	16.12	4.92	5.21	16.86	5.21
14'	2'-0"	14.0	8"	10"	12"	14"	16"	18"	20"	22"	24"	26"	28"	30"	32"	34"	36"	38"	40"	42"	44"	46"	48"	50"	52"	54"	56"	58"	60"	62"	64"	0.85	7	4	17'-0"	0.1560	0.7125	20.84	2.20	6.8	7.93	5.77	16.20	5.10	6.06	15.93	5.44	6.35	16.66	5.75	6.65	17.40	6.12
12'	2'-0"	18.0	8 1/2"	10 1/2"	12 1/2"	14 1/2"	16 1/2"	18 1/2"	20 1/2"	22 1/2"	24 1/2"	26 1/2"	28 1/2"	30 1/2"	32 1/2"	34 1/2"	36 1/2"	38 1/2"	40 1/2"	42 1/2"	44 1/2"	46 1/2"	48 1/2"	50 1/2"	52 1/2"	54 1/2"	56 1/2"	58 1/2"	60 1/2"	62 1/2"	64 1/2"	0.85	8	4	18'-5"	0.1874	0.8725	24.41	2.48	7.9	9.32	6.63	17.02	6.31	7.41	16.45	6.65	7.75	17.58	6.99			
10'	2'-0"	22.0	9"	11"	13"	15"	17"	19"	21"	23"	25"	27"	29"	31"	33"	35"	37"	39"	41"	43"	45"	47"	49"	51"	53"	55"	57"	59"	61"	63"	65"	0.85	9	4	20'-0"	0.2188	1.0375	28.41	2.76	8.9	10.44	7.41	17.58	7.00	8.21	16.66	7.20	8.41	17.82	7.50			
8'	2'-0"	26.0	9 1/2"	11 1/2"	13 1/2"	15 1/2"	17 1/2"	19 1/2"	21 1/2"	23 1/2"	25 1/2"	27 1/2"	29 1/2"	31 1/2"	33 1/2"	35 1/2"	37 1/2"	39 1/2"	41 1/2"	43 1/2"	45 1/2"	47 1/2"	49 1/2"	51 1/2"	53 1/2"	55 1/2"	57 1/2"	59 1/2"	61 1/2"	63 1/2"	65 1/2"	0.85	10	4	21'-5"	0.2502	1.2125	34.41	3.20	10.1	11.76	8.41	18.02	7.60	8.91	17.17	7.70	9.01	18.42	7.99			
6'	2'-0"	30.0	10"	12"	14"	16"	18"	20"	22"	24"	26"	28"	30"	32"	34"	36"	38"	40"	42"	44"	46"	48"	50"	52"	54"	56"	58"	60"	62"	64"	66"	0.85	11	4	23'-0"	0.2816	1.3750	40.41	3.68	11.1	12.96	9.00	18.48	8.00	9.41	17.53	8.10	9.51	18.84	8.39			
4'	2'-0"	34.0	10 1/2"	12 1/2"	14 1/2"	16 1/2"	18 1/2"	20 1/2"	22 1/2"	24 1/2"	26 1/2"	28 1/2"	30 1/2"	32 1/2"	34 1/2"	36 1/2"	38 1/2"	40 1/2"	42 1/2"	44 1/2"	46 1/2"	48 1/2"	50 1/2"	52 1/2"	54 1/2"	56 1/2"	58 1/2"	60 1/2"	62 1/2"	64 1/2"	66 1/2"	0.85	12	4	24'-5"	0.3130	1.5625	46.41	4.16	11.7	13.76	9.60	19.02	8.60	10.11	17.85	8.20	9.71	19.17	8.59			

General Notes: Specifications Arkansas Standard May 30, 1925  
 Reinforcing Bars shown are deformed bars Plain bars may be used provided lengths given are increased by 20 diameters of the bar and both ends hooked thus  
 All stone work to be "Cement Rubble Masonry" either coursed or uncoursed. All concrete to be 1:2:4 mix.  
 Exposed edges of concrete to be beveled 3/4".  
 Foundations to be carried to good firm material with a minimum depth below stream bed of 16" or less solid rock.  
 Riprap and channel paving to be provided when necessary to prevent scour.  
 Estimated quantities to be adjusted for length of culvert footings below datum plane and for channel paving and riprap when used.  
 Complete permanent records shall be made of each structure as built showing footing depths and any modification of this plan.

ARKANSAS STATE STANDARD  
 CONCRETE AND MASONRY  
 CULVERTS  
 2 FT. TO 10 FT. SPANS

Submitted - Geo. Murphy 12/10/27  
 Approved - Br. Eng. 12/10/27

DWG 1821