

DOUBLE CONCRETE BOX CULVERT DIMENSIONS & QUANTITIES (EXCLUDING HEADWALLS & TOEWALLS)

BOX SIZE				FILL HEIGHT ALLOWED	SLAB & WALL THICKNESS (INCHES)			BAR SIZES						d1	DIMENSIONS					QUANTITIES					
S	R	HT.	WIDTH		Tt	Tb	TW & TWi	t1*	t2	b1	b2	w1* & w2	c1*		c2	h1	h2	v1	v2	v3	CONCRETE	REBAR STL			
FT.	FT.	FT.-IN.	FT.-IN.	FT.-FT.				#	#	#	#	#	#	NO.	FT.-IN.	FT.-IN.	FT.-IN.	FT.-IN.	FT.-IN.	CU.YDS./LIN.FT.	LBS./LIN.FT.				
6	6	7-5	14-6	0 TO 10	8	9	10	5	5	5	4	4	4	74	2-7	2-7	6-6	2-3	2-3	1.316	248				
		7-8	14-6	>10 TO 15	9	11	10	5	5	5	4	4	4		2-7	2-7	6-7	2-5	2-5	1.457	250				
		7-11	14-6	>15 TO 20	11	12	10	5	4	5	4	4	4		2-7	2-7	6-9	2-6	2-6	1.585	241				
	8	9-5	14-6	0 TO 10	8	9	10	5	5	5	4	4	4		86	2-7	2-7	8-6	2-3	2-3	1.502	272			
		9-8	14-6	>10 TO 15	9	11	10	5	5	4	4	4	4			2-7	2-7	8-7	2-5	2-5	1.636	264			
		9-11	14-6	>15 TO 20	11	12	10	5	4	5	4	4	4			2-7	2-7	8-9	2-6	2-6	1.770	263			
	10	11-6	14-6	0 TO 10	8	10	10	4	5	4	4	4	5			92	2-9	2-9	10-6	2-9	2-4	1.731	299		
		11-8	14-6	>10 TO 15	9	11	10	4	5	4	4	5	5				2-9	2-9	10-7	2-10	2-11	1.821	353		
		12-0	14-10.5	>15 TO 20	11	13	11.5	4	4	5	4	5	5				2-11	2-11	10-9	3-0	3-0	2.167	360		
	8	6	7-9	18-6	0 TO 10	10	11	10	6	5	6	5	4				4	90	2-7	2-9	6-8	2-10	2-5	1.755	349
			8-2	18-6	>10 TO 15	12	14	10	6	5	6	5	4				4		2-7	2-7	6-10	2-8	2-8	2.040	342
			8-6	18-6	>15 TO 20	14	16	10	6	5	6	5	4				4		2-7	2-7	7-0	2-11	2-11	2.269	344
8		9-9	18-6	0 TO 10	10	11	10	6	5	6	4	4	4	102			2-7		2-9	8-8	2-10	2-5	1.940	357	
		10-2	18-6	>10 TO 15	12	14	10	6	5	5	5	4	4				2-7		2-7	8-10	2-8	2-8	2.225	348	
		10-6	18-6	>15 TO 20	14	16	10	6	5	6	5	4	4				2-7		2-7	9-0	2-11	2-11	2.454	368	
10	6	7-7	22-6	0 TO 5	9	10	10	7	6	7	5	4	5		98		2-9	3-4	6-7	3-2	2-4	1.875	490		
		8-1	22-6	>5 TO 10	12	13	10	7	5	7	5	4	4				2-7	2-9	6-10	3-0	2-7	2.292	435		
		8-7	22-6	>10 TO 15	15	16	10	7	5	7	5	4	4				3-1	2-7	7-1	2-10	2-10	2.708	439		
	8	9-1	22-6	>15 TO 20	18	19	10	7	6	7	6	4	5	110		3-6	2-9	7-4	3-6	3-1	3.125	512			
		9-7	22-6	0 TO 5	9	10	10	7	6	7	5	4	5			2-9	3-4	8-7	3-2	2-4	2.060	519			
		10-1	22-6	>5 TO 10	12	13	10	7	5	7	5	4	4			2-7	2-9	8-10	3-0	2-7	2.477	470			
10	10-7	22-6	>10 TO 15	15	16	10	7	5	7	5	4	4	116		3-1	2-7	9-1	2-10	2-10	2.894	465				
	11-0	22-6	>15 TO 20	17	19	10	7	6	7	5	4	5			3-6	2-9	9-3	3-6	3-1	3.241	520				
	11-8	22-6	0 TO 5	9	11	10	7	6	6	5	4	5			2-9	3-4	10-7	3-3	2-5	2.315	519				
12	12-1	22-6	>5 TO 10	12	13	10	6	5	7	5	4	5		124	2-9	2-9	10-10	3-0	2-7	2.662	487				
	12-6	22-6	>10 TO 15	14	16	10	7	5	6	5	4	5			2-9	2-9	11-0	3-3	2-10	3.009	491				
	13-0	22-10.5	>15 TO 20	17	19	11.5	7	5	7	5	5	5			3-8	2-11	11-3	3-6	3-6	3.606	582				
14	6	7-9	26-6	0 TO 5	10	11	10	8	6	8	5	4	6		106	2-9	3-4	6-8	3-3	2-5	2.273	634			
		8-5	26-6	>5 TO 10	14	15	10	7	6	8	6	4	4			2-7	2-9	7-0	3-2	2-9	2.927	583			
		9-0	26-6	>10 TO 15	17	19	10	8	6	8	6	4	5			3-6	2-9	7-3	3-6	3-2	3.500	640			
	8	9-10	26-6	0 TO 5	10	12	10	8	6	7	5	4	6	118		2-9	3-4	8-8	3-4	2-6	2.540	633			
		10-5	26-6	>5 TO 10	14	15	10	7	6	8	6	4	4			2-7	2-9	9-0	3-2	2-9	3.113	607			
		11-0	26-6	>10 TO 15	17	19	10	8	6	7	6	4	5			3-6	2-9	9-3	3-6	3-1	3.685	633			
10	11-11	26-6	0 TO 5	11	12	10	8	6	7	5	4	5	124		2-9	3-4	10-9	3-4	2-6	2.807	635				
	12-5	26-6	>5 TO 10	14	15	10	7	6	7	6	4	5			2-9	3-4	11-0	3-7	2-9	3.298	632				
	13-0	26-6	>10 TO 15	17	19	10	8	6	7	6	4	5			3-6	2-9	11-3	3-6	3-1	3.870	656				
16	6	8-2	30-6	0 TO 5	13	13	10	8	6	8	6	4		5	122	2-9	3-4	6-11	3-5	2-7	3.003	722			
		9-0	30-6	>5 TO 10	17	19	10	8	6	8	6	4		5		3-6	2-9	7-3	3-6	3-1	3.944	717			
		9-2	30-6	>10 TO 12	19	19	10	8	6	8	6	4		5		3-6	2-9	7-5	3-6	3-1	4.133	718			
	8	10-1	30-6	0 TO 5	12	13	10	8	6	8	6	4	5	134		2-9	3-4	8-10	3-5	2-7	3.094	753			
		10-11	30-6	>5 TO 10	17	18	10	8	6	8	6	4	5			3-6	2-9	9-3	3-5	3-0	4.035	743			
		11-2	30-6	>10 TO 12	19	19	10	8	6	8	6	4	5			3-6	2-9	9-5	3-6	3-1	4.318	746			
10	12-0	30-6	0 TO 5	12	13	10	8	6	8	6	4	5	140		2-9	3-4	10-10	3-5	2-7	3.279	772				
	12-4	30-6	>5 TO 7	13	15	10	8	6	8	6	4	5			2-9	3-4	10-11	3-7	2-9	3.562	774				
	13-1	30-6	>7 TO 12	18	19	10	8	6	8	6	4	5			3-6	2-9	11-4	3-6	3-1	4.409	768				
18	6	8-5	34-6	0 TO 5	14	15	10	9	7	9	6	4		6	130	3-4	3-4	7-0	3-7	2-9	3.644	955			
		8-9	34-6	>5 TO 7	16	17	10	9	7	9	7	4		5		3-6	2-9	7-2	3-4	2-11	4.069	960			
		9-5	34-6	>7 TO 10	19	22	10	9	7	8	7	4		5		3-6	2-9	7-5	3-9	3-4	4.921	917			
	8	10-5	34-6	0 TO 5	14	15	10	9	7	9	6	4	5	142		2-9	3-4	9-0	3-7	2-9	3.829	961			
		10-9	34-6	>5 TO 7	16	17	10	9	7	9	7	4	5			3-6	2-9	9-2	3-4	3-0	4.255	987			
		11-4	34-6	>7 TO 10	19	21	10	9	7	9	7	4	5			3-6	2-9	9-5	3-8	3-3	5.000	993			
10	12-1	34-6	0 TO 2	12	13	10	8	7	8	6	4	6	148		3-4	3-8	10-10	3-11	2-7	3.588	930				
	12-5	34-6	>2 TO 5	14	15	10	9	7	9	6	4	6			3-4	3-4	11-0	3-7	2-9	4.014	1013				
	12-10	34-6	>5 TO 7	16	18	10	9	7	8	6	4	6			4-3	2-9	11-2	3-10	3-0	4.546	957				
20	6	8-5	38-6	0 TO 2	14	15	10	9	8	9	6	5		7	138	3-8	3-8	7-0	4-1	3-2	4.002	1179			
		8-7	38-6	>2 TO 5	15	16	10	10	7	10	7	4		6		4-3	3-4	7-1	3-8	2-10	4.239	1229			
		9-2	38-6	>5 TO 7	19	19	10	9	7	10	7	4		5		3-6	2-9	7-5	3-6	3-1	5.071	1125			
	8	10-5	38-6	0 TO 2	14	15	10	9	8	9	7	4	7	150		3-8	3-8	9-0	4-1	2-11	4.187	1209			
		10-9	38-6	>2 TO 5	15	18	10	10	7	9	7	4	6			4-3	3-4	9-1	3-10	3-0	4.662	1193			
		11-2	38-6	>5 TO 7	19	19	10	9	7	10	7	4	5			3-6	2-9	9-5	3-6	3-2	5.256	1152			
10	12-7	38-6	0 TO 2	14	17	10	9	8	8	6	4	7	156		3-8	3-8	11-0	4-3	2-9	4.610	1151				
	12-9	38-6	>2 TO 5	15	18	10	10	7	9	7	4	6			4-3	3-4	11-1	3-10	3-0	4.847	1222				
	13-4	38-6	>5 TO 7	19	21	10	9	7	9	9	4	5			3-6	2-9	11-5	3-8	3-3	5.679	1214				
20	6	8-7	42-6	0 TO 2	15	16	10	10	8	10	7	5		7	154	4-9	3-8	7-1	4-2	3-3	4.622	1487			
		9-1	42-6	>2 TO 5	19	18	10	9	8	10	7	4		5		3-6	3-4	7-5	3-10	3-0	5.409	1300			
		10-9	42-6	0 TO 2	15	18	10	10	8	9	7	4		7		4-9	3-4	9-1	4-4</						