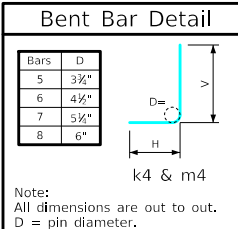


Variable Dimensions and Quantities for Triple 12' x 11' Barrel Sections

Dimensions														Bar List																																											
Fill	S	H	A	B	C	D	E	R	T	U	W	X	Z	a1			a2			b1			b2			e1			e2			f1			f2			k1			k2			k3			k4			k6			k7				
														Size	Sp.	L	Size	Sp.	L	Size	Sp.	No.	Size	Sp.	No.	Size	Sp.	No.	Size	Sp.	No.	Size	Sp.	No.	Size	Sp.	No.	Size	Sp.	No.	Size	Sp.	L	Size	Sp.	L	Size	Sp.	L	Size	Sp.	L	Size	Sp.	L		
0	12	11	14	11.5	11	9	9	0'-0	0'-0	7'-8	2'-7	4'-6	4'-3	4	9	13'-0	7	9	13'-0	4	6	44	4	6	46	4	12	33	4	17	30	4	12	39	4	17	30	6	18	39'-4	6	18	13'-2	5	18	12'-11	6	9	11'-11	7'-11	4'-0	5	18	39'-4	6	18	15'-4
1	12	11	13	11.5	11	9	9	0'-10	0'-5	7'-8	2'-8	4'-6	4'-3	4	9	12'-11	7	9	12'-11	4	6	44	4	6	46	4	12	33	4	17	30	4	12	39	4	17	30	6	18	39'-4	6	18	12'-9	5	18	11'-3	6	9	11'-10	7'-11	3'-11	5	18	39'-4	6	18	15'-4
2	12	11	10	10	11	9	9	2'-4	1'-11	6'-7	3'-5	5'-3	4'-3	4	12	12'-7	7	9	12'-7	4	6	44	4	6	46	4	12	33	4	17	30	4	12	39	4	17	30	6	12	39'-4	5	12	10'-2	4	12	8'-3	7	9	9'-1	6'-2	4'-1	5	18	39'-4	8	18	14'-8
3-6	12	11	9	10.5	11	9	9	3'-8	2'-6	4'-11	3'-1	5'-3	4'-2	4	12	12'-6	7	9	12'-6	4	6	44	4	6	46	4	12	33	4	17	30	4	12	39	4	17	30	5	9	39'-4	4	9	8'-10	4	9	5'-7	7	9	9'-1	5'-2	3'-11	4	12	39'-4	7	12	10'-5
7-8	12	11	9.5	11.5	11	9	9	4'-1	2'-11	4'-0	3'-1	5'-3	4'-0	5	12	12'-8	7	9	12'-8	4	6	44	4	6	46	4	12	33	4	17	30	4	12	39	4	17	30	5	9	39'-4	4	9	8'-3	4	9	4'-9	5	6	7'-5	4'-3	3'-2	4	9	39'-4	6	9	8'-3
9-10	12	11	11	13	11	6	9	5'-3	2'-10	3'-11	2'-10	5'-3	3'-10	4	6	12'-11	7	9	12'-11	4	6	44	4	6	46	4	12	33	4	17	30	4	12	39	4	17	30	5	9	39'-4	4	9	8'-8	4	9	2'-5	6	9	8'-2	4'-1	4'-1	5	9	39'-4	5	9	8'-1
11-12	12	11	12	14	11	6	9	5'-3	2'-8	3'-10	2'-8	5'-3	3'-10	4	6	13'-1	7	9	13'-1	4	6	44	4	6	46	4	12	33	4	17	30	4	12	39	4	17	30	5	9	39'-4	4	9	9'-1	4	9	2'-5	5	6	7'-5	4'-0	3'-5	4	9	39'-4	6	9	8'-0
13-15	12	11	13.5	15.5	11	9	9	5'-3	2'-6	3'-11	2'-3	4'-10	3'-11	6	12	13'-4	7	9	13'-4	4	6	44	4	6	46	4	12	33	4	17	30	4	12	39	4	17	30	6	12	39'-4	5	12	9'-7	4	12	2'-5	5	6	7'-7	4'-1	3'-6	5	12	39'-4	7	12	8'-3
16-17	12	11	14.5	16.5	12	9	9	5'-3	2'-3	3'-11	2'-1	4'-10	4'-0	6	9	13'-6	7	9	13'-6	4	6	44	4	6	46	4	12	33	4	17	30	4	12	39	4	17	30	6	12	39'-8	5	12	10'-4	4	12	2'-6	6	9	8'-2	4'-1	4'-1	5	12	39'-8	7	12	8'-3
18-19	12	11	15.5	17.5	12.5	9	9	4'-1	1'-10	4'-0	1'-10	4'-4	4'-1	6	9	13'-8	7	9	13'-8	4	6	44	4	6	46	4	12	33	4	17	30	4	12	39	4	17	30	7	18	39'-10	7	18	11'-2	4	18	4'-10	5	6	8'-2	4'-1	4'-1	5	12	39'-10	7	12	8'-5
20-21	12	11	17	18.5	13	9	6	3'-8	1'-7	4'-1	1'-10	4'-6	4'-2	4	9	13'-10	6	6	13'-10	4	6	44	4	6	46	4	12	33	4	17	30	4	12	39	4	17	30	7	18	40'-0	7	18	11'-8	4	18	5'-9	8	12	9'-2	4'-2	5'-0	5	12	40'-0	7	12	8'-8
22-23	12	11	17.5	20	13.5	9	6	3'-8	1'-3	4'-2	1'-3	3'-9	4'-3	4	9	14'-0	6	6	14'-0	4	6	44	4	6	46	4	12	33	4	17	30	4	12	39	4	17	30	5	9	40'-2	5	9	12'-3	4	9	5'-10	7	9	9'-4	4'-8	4'-8	5	9	40'-2	6	9	8'-9
24-25	12	11	19	21.5	14	9	9	3'-5	1'-1	4'-3	1'-1	3'-6	4'-5	6	9	14'-3	8	9	14'-3	4	6	44	4	6	46	4	12	33	4	17	30	5	12	39	4	17	30	5	9	40'-4	5	9	12'-6	4	9	6'-4	5	6	8'-8	4'-4	4'-4	5	12	40'-4	7	12	8'-9

Bar List														Quantities																												
Fill	Size	Sp.	L	Size	Sp.	L	Size	Sp.	L	Size	Sp.	L	Size	Sp.	L	Size	Sp.	L	Size	Sp.	L	Size	Sp.	L	Size	Sp.	L	Size	Sp.	L	Size	Sp.	L	Size	Sp.	L	Concrete (CY/FT)	Steel (LB/FT)				
																																							Slab	Floor	Walls	Total
0	6	4,5	39'-4	5	12	39'-10	5	12	9'-0	4	12	3'-11	6	9	17'-9	6'-4	11'-5	4	9	39'-10	5	9	8'-7	5	4,5	39'-10	1,807	1,512	1,437	4,756	633.11											
1	6	4,5	39'-4	5	12	39'-10	5	12	8'-11	4	12	3'-11	6	9	17'-9	6'-4	11'-5	4	9	39'-10	5	9	8'-7	5	4,5	39'-10	1,684	1,512	1,437	4,633	630.13											
2	8	4,5	39'-4	6	12	39'-10	5	12	7'-2	4	12	2'-5	7	9	16'-3	5'-0	11'-2	5	12	39'-10	7	12	8'-7	7	4,5	39'-10	1,317	1,326	1,437	4,080	723.42											
3-6	7	4,5	39'-4	6	12	39'-10	5	12	7'-11	4	12	2'-5	7	9	16'-2	4'-10	11'-4	5	12	39'-10	7	12	8'-5	7	4,5	39'-10	1,194	1,388	1,437	4,019	691.24											
7-8	6	4,5	39'-4	6	12	39'-10	5	12	8'-1	4	12	2'-5	5	6	15'-7	4'-2	11'-5	5	12	39'-10	7	12	8'-1	7	4,5	39'-10	1,256	1,512	1,437	4,205	649.71											
9-10	5	4,5	39'-4	6	12	39'-10	5	12	8'-10	4	12	2'-5	6	9	15'-7	4'-1	11'-6	4	9	39'-10	6	9	7'-10	6	4,5	39'-10	1,439	1,698	1,437	4,574	658.11											
11-12	6	4,5	39'-4	6	12	39'-10	5	12	9'-3	4	12	2'-5	5	6	15'-8	4'-1	11'-7	5	12	39'-10	7	12	8'-0	7	4,5	39'-10	1,562	1,822	1,437	4,821	660.63											
13-15	7	4,5	39'-4	5	9	39'-10	5	9	10'-2	4	9	3'-3	5	6	15'-11	4'-2	11'-9	5	12	39'-10	7	12	8'-3	7	4,5	39'-10	1,745	2,008	1,437	5,190	693.61											
16-17	7	4,5	39'-8	5	9	40'-2	5	9	10'-10	4	9	3'-4	6	9	15'-11	4'-1	11'-10	5	12	40'-2	7	12	8'-4	7	4,5	40'-2	1,888	2,153	1,567	5,608	714.89											
18-19	7	4,5	39'-10	5	9	40'-4	5	9	11'-3	4	9	4'-4	5	6	16'-1	4'-2	11'-11	5	9	40'-4	6	9	8'-7	6	4,5	40'-4	2,023	2,289	1,632	5,944	739.34											
20-21	7	4,5	40'-0	6	12	40'-6	6	12	11'-4	4	12	4'-1	8	12	16'-2	4'-2	12'-0	5	9	40'-6	6	9	8'-9	6	4,5	40'-6	2,220	2,426	1,697	6,343	773.16											
22-23	6	4,5	40'-2	6	12	40'-8	6	12	12'-4	4	12	5'-8	7	9	16'-5	4'-4	12'-1	5	9	40'-8	6	9	9'-0	6	4,5	40'-8	2,294	2,628	1,763	6,685	792.05											
24-25	7	4,5	40'-4	6	12	40'-10	6	12	12'-6	4	12	6'-2	5	6	16'-8	4'-5	12'-3	5	12	40'-10	7	12	9'-4	7	4,5	40'-10	2,494	2,831	1,828	7,153	801.71											



- Notes:**
- Dimensions listed on this sheet to be used in conjunction with Sheet TRRCB G3-20.
 - Fill, dimensions "S" and "H" are in feet.
 - Dimensions "A", "B", "C", "D", and "Sp." listed in the bar list are in inches.
 - Dimensions "L", "H", "V" are in feet and inches.

LATEST REVISION DATE	APPROVED BY BRIDGE ENGINEER	Standard Design Triple Reinforced Concrete Box Culverts July, 2020	
		Culvert Barrel Details 12' x 11' Barrel Sections	TRRCB 12-11-20 Sheet 2 of 2
		12/31/2020 3:55:40 PM bkloss W:\Highway\Bridge\Standards\Culverts\LRFD\EnglishLRFDSignedTripleCulverts.dgn TRRCB 12-11-20 52 11x17.pdf.pltcfg	

ENGLISHLRFDSIGNEDTRIPLECULVERTS.DGN - TRRCB 12-11-20-20 - THIS SHEET ISSUED 07-2020.