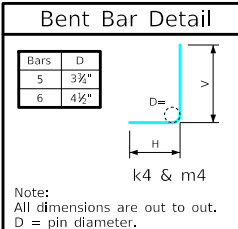


### Variable Dimensions and Quantities for Triple 10' x 10' Barrel Sections

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.	No.	Size	Sp.	No.	Size	Sp.	No.	Size	Sp.	No.	Size	Sp.	No.	Size	Sp.
0	10	10	13	11	10	6	9	0'-0	0'-0	6'-3	2'-5	4'-2	4'-0	4	6	11'-11	7	9	11'-11	4	6	40	4	6	42	4	12	27	4	18	24	4	12	33	4	18	24	6	18	33'-0	5	18	11'-1	4	18	10'-10	6	12	10'-4	6'-5	3'-11	4	12	33'-0	4	12	12'-6
1	10	10	12.5	11	10	6	9	0'-10	0'-3	6'-3	2'-5	3'-8	3'-8	4	6	11'-10	7	9	11'-10	4	6	40	4	6	42	4	12	27	4	18	24	4	12	33	4	18	24	6	18	33'-0	5	18	10'-10	4	18	9'-2	6	12	10'-4	6'-5	3'-11	4	12	33'-0	4	12	12'-6
2	10	10	9	10	10	9	9	2'-1	1'-10	6'-4	2'-2	4'-2	3'-8	4	12	11'-6	7	9	11'-6	4	6	40	4	6	42	5	12	27	4	18	24	4	12	33	4	18	24	5	9	33'-0	4	9	8'-1	4	9	6'-8	5	6	9'-5	6'-3	3'-1	5	18	33'-0	7	18	13'-2
3-6	10	10	8	10	10	9	9	2'-0	1'-7	4'-3	2'-2	3'-7	3'-8	4	12	11'-5	7	9	11'-5	4	6	40	4	6	42	4	12	27	4	18	24	4	12	33	4	18	24	5	12	33'-0	5	12	8'-5	5	12	6'-10	5	6	7'-9	4'-8	3'-1	5	12	33'-0	5	12	8'-11
7-8	10	10	8	10	10	9	9	2'-10	2'-2	3'-6	3'-0	4'-2	3'-6	4	12	11'-5	7	9	11'-5	4	6	40	4	6	42	4	12	27	4	18	24	4	12	33	4	18	24	5	12	33'-0	5	12	7'-6	4	12	5'-2	5	6	6'-10	3'-9	3'-1	5	12	33'-0	6	12	7'-1
9-10	10	10	9	11	10	9	9	3'-2	2'-2	3'-5	2'-9	4'-2	3'-5	4	9	11'-7	7	9	11'-7	4	6	40	4	6	42	4	12	27	4	18	24	4	12	33	4	18	24	5	12	33'-0	5	12	7'-10	4	12	4'-6	6	9	7'-6	3'-9	3'-9	5	12	33'-0	6	12	7'-0
11-12	10	10	9.5	12	10	9	9	3'-0	1'-10	3'-6	2'-5	4'-2	3'-5	4	9	11'-8	7	9	11'-8	4	6	40	4	6	42	4	12	27	4	18	24	4	12	33	4	18	24	5	12	33'-0	5	12	8'-4	4	12	4'-10	6	9	7'-4	3'-8	3'-8	4	12	33'-0	7	12	7'-2
13-15	10	10	11.5	14	10	9	9	3'-3	1'-10	3'-4	2'-2	3'-6	3'-6	5	12	12'-0	7	9	12'-0	4	6	40	4	6	42	4	12	27	4	18	24	4	12	33	4	18	24	5	12	33'-0	5	12	8'-6	4	12	4'-4	6	9	7'-8	3'-10	3'-10	5	12	33'-0	6	12	6'-11
16-17	10	10	12.5	14.5	10.5	9	9	3'-2	1'-6	3'-4	2'-1	4'-2	3'-4	4	9	12'-2	7	9	12'-2	4	6	40	4	6	42	4	12	27	4	18	24	4	12	33	4	18	24	5	12	33'-2	5	12	9'-4	4	12	4'-6	5	6	7'-4	3'-8	3'-8	5	12	33'-2	6	12	7'-0
18-19	10	10	13.5	15.5	11	6	9	4'-3	2'-0	3'-5	1'-10	3'-5	3'-5	4	6	12'-4	7	9	12'-4	4	6	40	4	6	42	4	12	27	4	18	24	4	12	33	4	18	24	5	9	33'-4	4	9	8'-5	4	9	2'-5	6	9	7'-10	3'-11	3'-11	5	12	33'-4	6	12	7'-2
20-21	10	10	14	16.5	12	6	9	4'-3	1'-10	3'-5	1'-9	3'-4	3'-6	4	6	12'-5	7	9	12'-5	4	6	40	4	6	42	4	12	27	4	18	24	4	12	33	4	18	24	5	9	33'-8	4	9	8'-10	4	9	2'-6	6	9	8'-0	4'-0	4'-0	4	12	33'-8	7	12	7'-2
22-23	10	10	15.5	17.5	12.5	6	9	3'-3	1'-5	3'-8	1'-5	3'-4	3'-7	4	6	12'-8	7	9	12'-8	4	6	40	4	6	42	4	12	27	4	18	24	4	12	33	4	18	24	5	9	33'-10	4	9	9'-7	4	9	4'-6	6	9	8'-2	4'-1	4'-1	5	18	33'-10	8	18	7'-7
24-25	10	10	16.5	18.5	12.5	9	9	3'-2	1'-3	3'-8	1'-3	3'-3	3'-8	5	9	12'-10	7	9	12'-10	4	6	40	4	6	42	4	12	27	4	18	24	4	12	33	4	18	24	5	9	33'-10	4	9	10'-0	4	9	4'-8	6	9	8'-4	4'-2	4'-2	5	18	33'-10	8	18	7'-8

Fill	Bar List												Quantities																		
	k9			m1			m2			m3			m4			m6			m7		m9		Concrete (CY/FT)			Steel (LB/FT)					
Size	Sp.	L	Size	Sp.	L	Size	Sp.	L	Size	Sp.	L	Size	Sp.	L	H	V	Size	Sp.	L	Size	Sp.	L	Size	Sp.	L	Slab	Floor	Walls	Total		
0	4	4.5	33'-0	5	12	33'-6	4	12	7'-2	4	12	2'-6	6	12	19'-10	9'-6	10'-4	5	18	33'-6	7	18	8'-0	7	4.5	33'-6	1.424	1.234	1.180	3.838	516.63
1	4	4.5	33'-0	5	12	33'-6	4	12	7'-2	4	12	3'-6	6	12	19'-4	9'-0	10'-4	4	9	33'-6	4	9	7'-4	4	4.5	33'-6	1.373	1.234	1.180	3.787	506.66
2	7	4.5	33'-0	5	12	33'-6	5	12	7'-7	4	12	2'-6	5	6	15'-1	4'-10	10'-3	4	12	33'-6	6	12	7'-5	6	4.5	33'-6	1.013	1.130	1.180	3.323	551.74
3-6	5	4.5	33'-0	5	12	33'-6	5	12	7'-7	4	12	3'-8	5	6	14'-6	4'-3	10'-3	4	9	33'-6	5	9	7'-6	7	4.5	33'-6	0.910	1.130	1.180	3.220	524.29
7-8	6	4.5	33'-0	5	9	33'-6	4	9	5'-10	4	9	2'-6	5	6	13'-11	3'-8	10'-3	4	12	33'-6	7	12	7'-1	7	4.5	33'-6	0.910	1.130	1.180	3.220	523.00
9-10	6	4.5	33'-0	5	9	33'-6	4	9	6'-6	4	9	2'-6	6	9	14'-1	3'-9	10'-4	4	12	33'-6	7	12	7'-0	7	4.5	33'-6	1.013	1.234	1.180	3.427	532.55
11-12	7	4.5	33'-0	5	9	33'-6	4	9	7'-3	4	9	2'-6	6	9	14'-1	3'-8	10'-5	4	12	33'-6	7	12	7'-0	7	4.5	33'-6	1.064	1.339	1.180	3.583	532.63
13-15	6	4.5	33'-0	5	9	33'-6	4	9	8'-1	4	9	3'-10	6	9	14'-4	3'-9	10'-7	5	18	33'-6	8	18	7'-4	8	4.5	33'-6	1.270	1.547	1.180	3.997	547.34
16-17	6	4.5	33'-2	5	9	33'-8	4	9	8'-4	4	9	2'-6	5	6	14'-5	3'-9	10'-8	5	12	33'-8	6	12	7'-0	6	4.5	33'-8	1.382	1.606	1.242	4.230	548.32
18-19	6	4.5	33'-4	5	9	33'-10	4	9	8'-9	4	9	4'-1	6	9	14'-6	3'-9	10'-9	5	12	33'-10	6	12	7'-2	6	4.5	33'-10	1.495	1.721	1.301	4.517	571.74
20-21	7	4.5	33'-8	6	12	34'-2	5	12	8'-11	4	12	4'-4	6	9	14'-8	3'-10	10'-10	5	12	34'-2	6	12	7'-4	6	4.5	34'-2	1.567	1.848	1.419	4.834	581.66
22-23	8	4.5	33'-10	6	12	34'-4	5	12	9'-9	4	12	4'-4	6	9	14'-10	3'-11	10'-11	5	12	34'-4	6	12	7'-6	6	4.5	34'-4	1.736	1.965	1.478	5.179	592.24
24-25	8	4.5	33'-10	6	12	34'-4	5	12	10'-1	4	12	4'-6	6	9	14'-11	3'-11	11'-0	5	12	34'-4	6	12	7'-9	6	4.5	34'-4	1.841	2.072	1.478	5.391	598.89



- 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 <b>Triple Reinforced Concrete Box Culverts</b> July, 2020	
		Culvert Barrel Details 10' x 10' Barrel Sections	TRRCB 10-10-20 Sheet 2 of 2
		12/31/2020 3:53:43 PM bkloss W:\Highway\Bridge\Standards\Culverts\LRFD\EnglishLRFDSignedTripleCulverts.dgn TRRCB 10-10-20 S2 11x17.pdf.pltcfg	

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