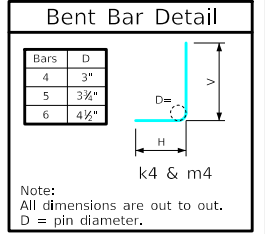


### Variable Dimensions and Quantities for Triple 10' x 7' Barrel Sections

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.	Size	Sp.	Size	Sp.	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.					
0	10	7	13	10.5	9	6	9	0'-0	0'-0	6'-2	2'-8	3'-8	3'-11	4	6	8'-10	6	9	8'-10	4	6	28	4	6	30	4	12	27	4	18	24	4	12	33	4	18	24	6	18	32'-8	5	18	10'-11	4	18	10'-9	4	6	9'-6	6'-5	3'-1	4	12	32'-8	4	12	12'-4
1	10	7	12.5	10.5	9	9	9	0'-7	0'-3	6'-2	2'-9	4'-2	3'-8	4	9	8'-10	6	9	8'-10	4	6	28	4	6	30	4	12	27	4	18	24	4	12	33	4	18	24	6	18	32'-8	5	18	10'-8	4	18	9'-7	5	12	9'-10	6'-5	3'-5	4	12	32'-8	4	12	12'-4
2	10	7	9.5	10	9	6	9	1'-2	1'-0	5'-4	2'-2	4'-2	3'-6	4	6	8'-6	6	9	8'-6	4	6	28	4	6	30	4	12	27	4	18	24	4	12	33	4	18	24	5	12	32'-8	5	12	9'-10	4	12	8'-5	4	6	6'-6	3'-8	2'-10	4	9	32'-8	4	9	11'-6
3-6	10	7	8	10	9	9	9	1'-11	1'-7	4'-1	2'-4	3'-5	3'-8	5	12	8'-5	6	9	8'-5	4	6	28	4	6	30	4	12	27	4	18	24	4	12	33	4	18	24	5	12	32'-8	5	12	8'-4	4	12	6'-11	5	6	6'-8	3'-4	3'-4	5	12	32'-8	5	12	8'-9
7-8	10	7	8	10	9	9	9	2'-11	2'-2	3'-6	3'-1	4'-2	3'-6	4	12	8'-5	6	9	8'-5	4	6	28	4	6	30	4	12	27	4	18	24	4	12	33	4	18	24	5	12	32'-8	5	12	7'-5	4	12	4'-11	5	6	6'-2	3'-1	3'-1	5	12	32'-8	6	12	7'-1
9-10	10	7	9	11	9	6	9	3'-1	2'-2	3'-4	2'-10	4'-2	3'-3	4	6	8'-7	6	9	8'-7	4	6	28	4	6	30	4	12	27	4	18	24	4	12	33	4	18	24	5	12	32'-8	5	12	7'-10	4	12	4'-7	4	6	5'-8	2'-10	2'-10	5	12	32'-8	6	12	6'-11
11-12	10	7	9.5	12	9	6	9	3'-0	1'-9	3'-5	2'-6	4'-2	3'-3	4	6	8'-8	6	9	8'-8	4	6	28	4	6	30	4	12	27	4	18	24	4	12	33	4	18	24	5	12	32'-8	5	12	8'-5	4	12	4'-9	4	6	5'-8	2'-10	2'-10	4	12	32'-8	7	12	7'-1
13-15	10	7	11.5	14	9	9	9	3'-2	1'-10	3'-3	2'-3	3'-6	3'-5	5	12	9'-0	6	9	9'-0	4	6	28	4	6	30	4	12	27	4	18	24	4	12	33	4	18	24	5	12	32'-8	5	12	8'-6	4	12	4'-5	4	6	6'-0	3'-0	3'-0	5	12	32'-8	6	12	6'-10
16-17	10	7	12.5	14.5	9	6	9	3'-5	2'-1	3'-4	2'-0	3'-5	3'-3	4	6	9'-2	6	9	9'-2	4	6	28	4	6	30	4	12	27	4	18	24	4	12	33	4	18	24	5	9	32'-8	4	9	8'-3	4	9	3'-11	4	6	6'-1	3'-1	3'-1	4	12	32'-8	7	12	7'-0
18-19	10	7	13.5	15.5	9	6	9	3'-4	1'-11	3'-4	1'-10	3'-4	3'-4	4	6	9'-4	6	9	9'-4	4	6	28	4	6	30	4	12	27	4	18	24	4	12	33	4	18	24	5	9	32'-8	4	9	8'-7	4	9	4'-1	4	6	5'-10	2'-8	3'-2	4	12	32'-8	7	12	7'-1
20-21	10	7	14.5	16.5	9	6	9	4'-2	1'-5	3'-4	1'-7	3'-9	3'-5	4	6	9'-6	6	9	9'-6	4	6	28	4	6	30	4	12	27	4	18	24	4	12	33	4	18	24	5	9	32'-8	4	9	9'-6	4	9	2'-5	4	6	6'-0	2'-9	3'-3	4	12	32'-8	7	12	7'-2
22-23	10	7	16	17.5	9	6	9	4'-2	1'-2	3'-5	1'-4	3'-9	3'-6	4	6	9'-8	6	9	9'-8	4	6	28	4	6	30	4	12	27	4	18	24	4	12	33	4	18	24	5	9	32'-8	4	9	9'-9	4	9	2'-5	4	6	6'-2	2'-10	3'-4	5	12	32'-8	6	12	7'-5
24-25	10	7	17	19	9	9	9	3'-11	0'-11	3'-6	1'-2	3'-9	3'-7	5	12	9'-11	6	9	9'-11	4	6	28	4	6	30	4	12	27	4	18	24	4	12	33	4	18	24	5	9	32'-8	4	9	10'-0	4	9	2'-11	4	6	6'-4	2'-10	3'-6	5	12	32'-8	6	12	7'-7

Bar List																Quantities															
Fill	Size	Sp.	L	m1		m2		m3		m4		m6		m7		m9		Concrete (CY/FT)			Steel (LB/FT)										
				Size	Sp.	Size	Sp.	Size	Sp.	Size	Sp.	Size	Sp.	Size	Sp.	Size	Sp.	Size	Sp.	Slab	Floor	Walls	Total								
0	4	4.5	32'-8	5	12	33'-2	4	12	6'-9	4	12	3'-5	4	6	12'-10	5'-6	7'-4	5	18	33'-2	7	18	7'-10	7	4.5	33'-2	1.405	1.167	0.729	3.301	423.24
1	4	4.5	32'-8	5	12	33'-2	4	12	6'-8	4	12	2'-5	6	12	12'-5	5'-1	7'-4	4	9	33'-2	4	9	7'-4	4	4.5	33'-2	1.354	1.167	0.729	3.250	409.00
2	4	4.5	32'-8	5	12	33'-2	5	12	7'-6	4	12	2'-5	4	6	10'-11	3'-8	7'-3	5	12	33'-2	5	12	7'-1	5	4.5	33'-2	1.049	1.115	0.729	2.893	430.34
3-6	5	4.5	32'-8	4	9	33'-2	4	9	7'-5	4	9	3'-11	4	6	10'-6	3'-3	7'-3	5	12	33'-2	5	12	7'-6	7	4.5	33'-2	0.896	1.115	0.729	2.740	432.50
7-8	6	4.5	32'-8	5	9	33'-2	4	9	5'-8	4	9	2'-5	5	6	10'-2	2'-11	7'-3	4	12	33'-2	7	12	7'-1	7	4.5	33'-2	0.896	1.115	0.729	2.740	453.42
9-10	6	4.5	32'-8	5	9	33'-2	4	9	6'-4	4	9	2'-5	4	6	10'-1	2'-9	7'-4	5	12	33'-2	6	12	6'-9	6	4.5	33'-2	0.998	1.219	0.729	2.946	442.34
11-12	7	4.5	32'-8	5	9	33'-2	4	9	7'-1	4	9	2'-5	4	6	10'-1	2'-8	7'-5	5	12	33'-2	6	12	6'-9	6	4.5	33'-2	1.049	1.322	0.729	3.100	443.08
13-15	6	4.5	32'-8	5	9	33'-2	4	9	8'-0	4	9	3'-9	4	6	10'-4	2'-9	7'-7	5	18	33'-2	8	18	7'-3	8	4.5	33'-2	1.252	1.529	0.729	3.510	445.24
16-17	7	4.5	32'-8	5	9	33'-2	4	9	8'-5	4	9	3'-11	4	6	10'-5	2'-9	7'-8	5	12	33'-2	6	12	6'-11	6	4.5	33'-2	1.354	1.581	0.729	3.664	460.55
18-19	7	4.5	32'-8	6	12	33'-2	5	12	8'-8	4	12	4'-1	4	6	10'-6	2'-9	7'-9	5	12	33'-2	6	12	7'-2	6	4.5	33'-2	1.456	1.684	0.729	3.869	470.61
20-21	7	4.5	32'-8	6	12	33'-2	5	12	9'-5	4	12	3'-3	4	6	10'-7	2'-9	7'-10	4	12	33'-2	7	12	7'-4	7	4.5	33'-2	1.558	1.787	0.729	4.074	471.61
22-23	6	4.5	32'-8	6	12	33'-2	5	12	9'-8	4	12	3'-3	4	6	10'-9	2'-10	7'-11	4	12	33'-2	7	12	7'-6	7	4.5	33'-2	1.711	1.891	0.729	4.331	478.63
24-25	6	4.5	32'-8	6	12	33'-2	5	12	9'-10	4	12	3'-3	4	6	10'-11	2'-11	8'-0	5	12	33'-2	6	12	7'-9	6	4.5	33'-2	1.813	2.046	0.729	4.588	480.82



- 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	TRRCB 10-7-20 Sheet 2 of 2
Culvert Barrel Details 10' x 7' Barrel Sections			