

1 @ 14 x 8 REINFORCED CONCRETE BOX BRIDGE

Maximum Fill Height ft.	Dimensions				Bars TST				Bars TSB				Bars BST				Bars BSB				Bars EWE				Bars EWI				Bars LNT	Bars LND	Bars WS	Concrete CY/LF	Reinf. Steel LB/LF
	ST in.	SB in.	WT in.	BW ft.	Size	No.	Spacing in.	Length ft.	Size	No.	Spacing in.	Length ft.	Size	No.	Spacing in.	Length ft.	Size	No.	Spacing in.	Length ft.	Size	No.	Spacing in.	Length ft.	No.	No.	No.						
No Fill	10.5	10	8	15.33	4	1	12	14.83	9	2	6	14.83	8	2	6	15.83	4	1	12	15.83	4	2	12	8.00	5	2	12	8.00	80	28	4	1.40	369
3	13	13	8	15.33	4	1	12	14.83	8	2	6	14.83	7	2	6	15.83	4	1	12	15.83	4	2	12	8.00	5	2	12	8.00	80	28	4	1.67	328
5	12	12	8	15.33	4	1	12	14.83	8	2	6	14.83	8	2	6	15.83	4	1	12	15.83	4	2	12	8.00	5	2	12	8.00	94	0	4	1.57	328
10	14	14	8	15.33	4	1	12	14.83	8	2	6	14.83	8	2	6	15.83	4	1	12	15.83	4	2	12	8.00	5	4	6	8.00	94	0	4	1.76	345
20	17	17	9	15.50	4	1	12	15.00	9	2	6	15.00	9	2	6	16.00	4	1	12	16.00	4	2	12	8.00	7	2	12	8.00	94	0	4	2.12	391
30	23	24	10	15.67	4	1	12	15.17	9	2	6	15.17	9	2	6	16.17	4	1	12	16.17	4	2	12	8.00	7	2	12	8.00	94	0	4	2.84	394
40	29	29	12	16.00	4	1	12	15.50	9	2	6	15.50	9	2	6	16.50	4	1	12	16.50	4	2	12	8.00	5	4	6	8.00	98	0	4	3.55	402
50	33	33	13	16.17	4	1	12	15.67	9	2	6	15.67	9	2	6	16.67	4	1	12	16.67	4	2	12	8.00	5	4	6	8.00	98	0	4	4.04	404
60	37	37	14	16.33	4	1	12	15.83	9	2	6	15.83	9	2	6	16.83	4	1	12	16.83	4	2	12	8.00	6	2	12	8.00	98	0	4	4.54	398

1 @ 14 x 9 REINFORCED CONCRETE BOX BRIDGE

Maximum Fill Height ft.	Dimensions				Bars TST				Bars TSB				Bars BST				Bars BSB				Bars EWE				Bars EWI				Bars LNT	Bars LND	Bars WS	Concrete CY/LF	Reinf. Steel LB/LF
	ST in.	SB in.	WT in.	BW ft.	Size	No.	Spacing in.	Length ft.	Size	No.	Spacing in.	Length ft.	Size	No.	Spacing in.	Length ft.	Size	No.	Spacing in.	Length ft.	Size	No.	Spacing in.	Length ft.	No.	No.	No.						
No Fill	10.5	10	8	15.33	4	1	12	14.83	9	2	6	14.83	8	2	6	15.83	4	1	12	15.83	4	2	12	9.00	5	2	12	9.00	84	28	4	1.45	375
3	13	13	8	15.33	4	1	12	14.83	8	2	6	14.83	8	2	6	15.83	4	1	12	15.83	4	2	12	9.00	5	2	12	9.00	84	28	4	1.72	354
5	12	12	8	15.33	4	1	12	14.83	8	2	6	14.83	8	2	6	15.83	4	1	12	15.83	4	2	12	9.00	5	4	6	9.00	98	0	4	1.62	353
10	14	14	8	15.33	4	1	12	14.83	8	2	6	14.83	8	2	6	15.83	4	1	12	15.83	4	2	12	9.00	6	4	6	9.00	98	0	4	1.81	369
20	17	17	10	15.67	4	1	12	15.17	9	2	6	15.17	9	2	6	16.17	4	1	12	16.17	4	2	12	9.00	6	4	6	9.00	98	0	4	2.25	419
30	23	24	11	15.83	4	1	12	15.33	9	2	6	15.33	9	2	6	16.33	4	1	12	16.33	4	2	12	9.00	6	4	6	9.00	98	0	4	2.98	421
40	29	29	13	16.17	4	1	12	15.67	9	2	6	15.67	9	2	6	16.67	4	1	12	16.67	4	2	12	9.00	6	4	6	9.00	102	0	4	3.71	429
50	33	34	14	16.33	4	1	12	15.83	9	2	6	15.83	9	2	6	16.83	4	1	12	16.83	4	2	12	9.00	6	4	6	9.00	102	0	4	4.26	432
60	37	37	16	16.67	4	1	12	16.17	9	2	6	16.17	9	2	6	17.17	4	1	12	17.17	4	2	12	9.00	7	2	12	9.00	102	0	4	4.81	419

1 @ 14 x 10 REINFORCED CONCRETE BOX BRIDGE

Maximum Fill Height ft.	Dimensions				Bars TST				Bars TSB				Bars BST				Bars BSB				Bars EWE				Bars EWI				Bars LNT	Bars LND	Bars WS	Concrete CY/LF	Reinf. Steel LB/LF
	ST in.	SB in.	WT in.	BW ft.	Size	No.	Spacing in.	Length ft.	Size	No.	Spacing in.	Length ft.	Size	No.	Spacing in.	Length ft.	Size	No.	Spacing in.	Length ft.	Size	No.	Spacing in.	Length ft.	No.	No.	No.						
No Fill	10.5	10	8	15.33	4	1	12	14.83	9	2	6	14.83	8	2	6	15.83	4	1	12	15.83	4	2	12	10.00	6	2	12	10.00	88	28	4	1.49	391
3	13	13	8	15.33	4	1	12	14.83	8	2	6	14.83	8	2	6	15.83	4	1	12	15.83	4	2	12	10.00	5	4	6	10.00	88	28	4	1.76	381
5	12	12	8	15.33	4	1	12	14.83	8	2	6	14.83	8	2	6	15.83	4	1	12	15.83	4	2	12	10.00	5	4	6	10.00	102	0	4	1.67	361
10	14	14	8	15.33	4	1	12	14.83	8	2	6	14.83	8	2	6	15.83	4	1	12	15.83	4	2	12	10.00	7	4	6	10.00	102	0	4	1.86	401
20	17	17	10	15.67	4	1	12	15.17	9	2	6	15.17	9	2	6	16.17	4	1	12	16.17	4	2	12	10.00	7	4	6	10.00	102	0	4	2.31	451
30	23	24	12	16.00	4	1	12	15.50	9	2	6	15.50	9	2	6	16.50	4	1	12	16.50	4	2	12	10.00	7	4	6	10.00	106	0	4	3.14	458
40	29	29	14	16.33	4	1	12	15.83	9	2	6	15.83	9	2	6	16.83	4	1	12	16.83	4	2	12	10.00	7	4	6	10.00	106	0	4	3.88	463
50	33	34	16	16.67	4	1	12	16.17	9	2	6	16.17	9	2	6	17.17	4	1	12	17.17	4	2	12	10.00	6	4	6	10.00	106	0	4	4.54	447
60	37	37	17	16.83	4	1	12	16.33	9	2	6	16.33	9	2	6	17.33	4	1	12	17.33	4	2	12	10.00	6	4	6	10.00	106	0	4	5.01	449

1 @ 14 x 11 REINFORCED CONCRETE BOX BRIDGE

Maximum Fill Height ft.	Dimensions				Bars TST				Bars TSB				Bars BST				Bars BSB				Bars EWE				Bars EWI				Bars LNT	Bars LND	Bars WS	Concrete CY/LF	Reinf. Steel LB/LF
	ST in.	SB in.	WT in.	BW ft.	Size	No.	Spacing in.	Length ft.	Size	No.	Spacing in.	Length ft.	Size	No.	Spacing in.	Length ft.	Size	No.	Spacing in.	Length ft.	Size	No.	Spacing in.	Length ft.	No.	No.	No.						
No Fill	10.5	10	8	15.33	4	1	12	14.83	9	2	6	14.83	8	2	6	15.83	4	1	12	15.83	4	2	12	11.00	6	2	12	11.00	92	28	4	1.54	398
3	13	13	8	15.33	4	1	12	14.83	8	2	6	14.83	8	2	6	15.83	4	1	12	15.83	4	2	12	11.00	5	4	6	11.00	92	28	4	1.81	389
5	12	12	8	15.33	4	1	12	14.83	8	2	6	14.83	8	2	6	15.83	4	1	12	15.83	4	2	12	11.00	7	4	6	11.00	106	0	4	1.72	413
10	14	14	9	15.50	4	1	12	15.00	8	2	6	15.00	9	2	6	16.00	4	1	12	16.00	4	2	12	11.00	7	4	6	11.00	106	0	4	1.99	438
20	17	17	11	15.83	4	1	12	15.33	9	2	6	15.33	9	2	6	16.33	4	1	12	16.33	4	2	12	11.00	8	4	6	11.00	106	0	4	2.46	493
30	23	24	14	16.33	4	1	12	15.83	9	2	6	15.83	9	2	6	16.83	4	1	12	16.83	4	2	12	11.00	7	4	6	11.00	110	0	4	3.39	475
40	29	29	16	16.67	4	1	12	16.17	9	2	6	16.17	9	2	6	17.17	4	1	12	17.17	4	2	12	11.00	7	4	6	11.00	110	0	4	4.16	480
50	33	34	18	17.00	4	1	12	16.50	9	2	6	16.50	9	2	6	17.50	4	1	12	17.50	4	2	12	11.00	7	4	6	11.00	114	0	4	4.84	488
60	37	38	19	17.17	4	1	12	16.67	9	2	6	16.67	9	2	6	17.67	4	1	12	17.67	4	2	12	11.00	7	4	6	11.00	114	0	4	5.38	491

Note: Maximum fill height shown in the table is measured from the bottom of the top slab. To obtain the total fill height from the flow line, add the height of the box.
 Note: When height of fill above the top slab is less than 1 foot, the top mat of reinforcing in the top slab shall be constructed with 2-1/2 inches of concrete cover.