

1 @ 12 x 8 REINFORCED CONCRETE BOX BRIDGE

Maximum Fill Height ft.	Dimensions				Bars TST				Bars TSB				Bars BST				Bars BSB				Bars EWE				Bar 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.	Size	No.	Spacing in.	Length ft.	No.	No.			No.
No Fill	10.5	9	8	13.33	4	1	12	12.83	7	2	6	12.83	9	1	12	13.83	4	1	12	13.83	4	2	12	8.00	4	2	12	8.00	71	24	4	1.22	255
3	10	10	8	13.33	4	1	12	12.83	11	1	12	12.83	7	2	6	13.83	4	1	12	13.83	4	2	12	8.00	4	2	12	8.00	71	24	4	1.24	280
5	10	11	8	13.33	4	1	12	12.83	7	2	6	12.83	7	2	6	13.83	4	1	12	13.83	4	2	12	8.00	5	2	12	8.00	84	0	4	1.29	263
10	10	12	8	13.33	4	1	12	12.83	11	1	12	12.83	10	1	12	13.83	4	1	12	13.83	4	2	12	8.00	5	2	12	8.00	84	0	4	1.33	282
20	13	15	9	13.50	4	1	12	13.00	9	2	6	13.00	11	1	12	14.00	4	1	12	14.00	4	2	12	8.00	7	2	12	8.00	84	0	4	1.65	333
30	19	21	10	13.67	4	1	12	13.17	11	1	12	13.17	11	1	12	14.17	4	1	12	14.17	4	2	12	8.00	7	2	12	8.00	84	0	4	2.24	316
40	24	26	12	14.00	4	1	12	13.50	11	1	12	13.50	11	1	12	14.50	4	1	12	14.50	4	2	12	8.00	6	2	12	8.00	88	0	4	2.83	314
50	28	29	13	14.17	4	1	12	13.67	11	1	12	13.67	11	1	12	14.67	4	1	12	14.67	4	2	12	8.00	7	2	12	8.00	88	0	4	3.22	325
60	31	33	14	14.33	4	1	12	13.83	9	2	6	13.83	9	2	6	14.83	4	1	12	14.83	4	2	12	8.00	4	4	6	8.00	88	0	4	3.62	358

1 @ 12 x 9 REINFORCED CONCRETE BOX BRIDGE

Maximum Fill Height ft.	Dimensions				Bars TST				Bars TSB				Bars BST				Bars BSB				Bars EWE				Bar 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.	Size	No.	Spacing in.	Length ft.	No.	No.			No.
No Fill	10.5	9	8	13.33	4	1	12	12.83	7	2	6	12.83	9	1	12	13.83	4	1	12	13.83	4	2	12	9.00	4	2	12	9.00	75	24	4	1.27	260
3	10	10	8	13.33	4	1	12	12.83	11	1	12	12.83	7	2	6	13.83	4	1	12	13.83	4	2	12	9.00	5	2	12	9.00	75	24	4	1.29	292
5	10	11	8	13.33	4	1	12	12.83	7	2	6	12.83	7	2	6	13.83	4	1	12	13.83	4	2	12	9.00	5	2	12	9.00	88	0	4	1.34	269
10	10	12	8	13.33	4	1	12	12.83	11	1	12	12.83	10	1	12	13.83	4	1	12	13.83	4	2	12	9.00	7	2	12	9.00	88	0	4	1.38	306
20	13	15	10	13.67	4	1	12	13.16	9	2	6	13.16	8	2	6	14.16	4	1	12	14.16	4	2	12	9.00	7	2	12	9.00	88	0	4	1.78	344
30	19	21	11	13.83	4	1	12	13.33	11	1	12	13.33	11	1	12	14.33	4	1	12	14.33	4	2	12	9.00	8	2	12	9.00	88	0	4	2.38	337
40	24	26	13	14.17	4	1	12	13.66	11	1	12	13.66	11	1	12	14.66	4	1	12	14.66	4	2	12	9.00	5	4	6	9.00	92	0	4	2.98	333
50	28	29	15	14.50	4	1	12	14.00	11	1	12	14.00	8	2	6	15.00	4	1	12	15.00	4	2	12	9.00	7	2	12	9.00	92	0	4	3.47	337
60	31	33	16	14.67	4	1	12	14.16	9	2	6	14.16	9	2	6	15.16	4	1	12	15.16	4	2	12	9.00	7	2	12	9.00	92	0	4	3.88	382

1 @ 12 x 10 REINFORCED CONCRETE BOX BRIDGE

Maximum Fill Height ft.	Dimensions				Bars TST				Bars TSB				Bars BST				Bars BSB				Bars EWE				Bar 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.	Size	No.	Spacing in.	Length ft.	No.	No.			No.
No Fill	10.5	10	8	13.33	4	1	12	12.83	7	2	6	12.83	7	2	6	13.83	4	1	12	13.83	4	2	12	10.00	5	2	12	10.00	79	24	4	1.32	283
3	10	10	8	13.33	4	1	12	12.83	11	1	12	12.83	7	2	6	13.83	4	1	12	13.83	4	2	12	10.00	4	4	6	10.00	79	24	4	1.34	304
5	10	11	8	13.33	4	1	12	12.83	7	2	6	12.83	7	2	6	13.83	4	1	12	13.83	4	2	12	10.00	6	2	12	10.00	92	0	4	1.39	284
10	10	12	8	13.33	4	1	12	12.83	11	1	12	12.83	11	1	12	13.83	4	1	12	13.83	4	2	12	10.00	6	4	6	10.00	92	0	4	1.43	347
20	13	15	11	13.83	4	1	12	13.33	9	2	6	13.33	9	2	6	14.33	4	1	12	14.33	4	2	12	10.00	5	4	6	10.00	92	0	4	1.92	376
30	19	21	13	14.16	4	1	12	13.66	11	1	12	13.66	11	1	12	14.66	4	1	12	14.66	4	2	12	10.00	8	2	12	10.00	96	0	4	2.61	353
40	24	26	14	14.33	4	1	12	13.83	11	1	12	13.83	11	1	12	14.83	4	1	12	14.83	4	2	12	10.00	8	2	12	10.00	96	0	4	3.15	355
50	28	30	15	14.66	4	1	12	14.16	11	1	12	14.16	11	1	12	15.16	4	1	12	15.16	4	2	12	10.00	8	2	12	10.00	96	0	4	3.70	359
60	31	33	18	15.00	4	1	12	14.50	9	2	6	14.50	9	2	6	15.50	4	1	12	15.50	4	2	12	10.00	7	2	12	10.00	100	0	4	4.17	398

1 @ 12 x 11 REINFORCED CONCRETE BOX BRIDGE

Maximum Fill Height ft.	Dimensions				Bars TST				Bars TSB				Bars BST				Bars BSB				Bars EWE				Bar 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.	Size	No.	Spacing in.	Length ft.	No.	No.			No.
No Fill	10.5	10	8	13.33	4	1	12	12.83	7	2	6	12.83	6	2	6	13.83	4	1	12	13.83	4	2	12	11.00	5	2	12	11.00	83	24	4	1.41	273
3	10	10	8	13.33	4	1	12	12.83	11	1	12	12.83	7	2	6	13.83	4	1	12	13.83	4	2	12	11.00	4	4	6	11.00	83	24	4	1.39	310
5	10	11	8	13.33	4	1	12	12.83	7	2	6	12.83	7	2	6	13.83	4	1	12	13.83	4	2	12	11.00	8	2	12	11.00	96	0	4	1.44	317
10	10	12	9	13.50	4	1	12	13.00	11	1	12	13.00	11	1	12	14.00	4	1	12	14.00	4	2	12	11.00	6	4	6	11.00	96	0	4	1.56	359
20	13	15	11	13.83	4	1	12	13.33	9	2	6	13.33	9	2	6	14.33	4	1	12	14.33	4	2	12	11.00	9	2	12	11.00	96	0	4	1.98	413
30	19	21	14	14.33	4	1	12	13.83	11	1	12	13.83	11	1	12	14.83	4	1	12	14.83	4	2	12	11.00	8	2	12	11.00	100	0	4	2.78	365
40	24	26	16	14.67	4	1	12	14.16	11	1	12	14.16	11	1	12	15.16	4	1	12	15.16	4	2	12	11.00	8	2	12	11.00	100	0	4	3.43	369
50	28	30	18	15.00	4	1	12	14.50	11	1	12	14.50	11	1	12	15.50	4	1	12	15.50	4	2	12	11.00	8	2	12	11.00	104	0	4	4.00	375
60	31	33	19	15.17	4	1	12	14.66	9	2	6	14.66	9	2	6	15.66	4	1	12	15.66	4	2	12	11.00	8	2	12	11.00	104	0	4	4.38	422

1 @ 12 x 12 REINFORCED CONCRETE BOX BRIDGE

Maximum Fill Height ft.	Dimensions				Bars TST				Bars TSB				Bars BST				Bars BSB				Bars EWE				Bar 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.	Size	No.	Spacing in.	Length ft.	No.	No.			No.
No Fill	10.5	10	8	13.33	4	1	12	12.83	7	2	6	12.83	6	2	6	13.83	4	1	12	13.83	4	2	12	12.00	6	2	12	12.00	87	24	4	1.46	291
3	10	10	8	13.33	4	1	12	12.83	11	1	12	12.83	7	2	6	13.83	4	1	12	13.83	4	2	12	12.00	8	2	12	12.00	87	24	4	1.44	350
5	10	11	9	13.50	4	1	12	13.00	7	2	6	13.00	7	2	6	14.00	4	1	12	14.00	4	2	12	12.00	8	2	12	12.00	100	0	4	1.57	328
10	10	12	10	13.67	4	1	12	13.16	11	1	12	13.16	11	1	12	14.16	4	1	12	14.16	4	2	12	12.00	9	2	12	12.00	100	0	4	1.70	381
20	13	16	12	14.00	4																												