

### 1 @ 16 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.	Size	No.	Spacing in.	Length ft.					
No Fill	11.5	11	8	17.33	4	1	12	16.83	9	2	6	16.83	8	2	6	17.83	4	1	12	17.83	4	2	12	9.00	5	2	12	9.00	90	32	4	1.68	411
3	14	14	8	17.33	4	1	12	16.83	8	2	6	16.83	8	2	6	17.83	4	1	12	17.83	4	2	12	9.00	5	2	12	9.00	90	32	4	1.99	386
5	14	14	8	17.33	4	1	12	16.83	8	2	6	16.83	8	2	6	17.83	4	1	12	17.83	4	2	12	9.00	6	2	12	9.00	106	0	4	1.99	372
10	15	15	8	17.33	4	1	12	16.83	9	2	6	16.83	9	2	6	17.83	4	1	12	17.83	4	2	12	9.00	7	2	12	9.00	106	0	4	2.10	432
20	19	19	9	17.50	4	1	12	17.00	10	2	6	17.00	10	2	6	18.00	4	1	12	18.00	4	2	12	9.00	7	4	6	9.00	106	0	4	2.61	534
30	26	27	11	17.83	4	1	12	17.33	9	2	6	17.33	9	2	6	18.33	4	1	12	18.33	4	2	12	9.00	6	4	6	9.00	106	0	4	3.61	457
40	32	33	13	18.17	4	1	12	17.67	9	2	6	17.67	9	2	6	18.67	4	1	12	18.67	4	2	12	9.00	6	4	6	9.00	110	0	4	4.47	464
50	37	38	14	18.33	4	1	12	17.83	10	2	6	17.83	10	2	6	18.83	4	1	12	18.83	4	2	12	9.00	7	2	12	9.00	110	0	4	5.14	516
60	41	42	16	18.67	4	1	12	18.17	10	2	6	18.17	10	2	6	19.17	4	1	12	19.17	4	2	12	9.00	6	2	12	9.00	110	0	4	5.80	512

### 1 @ 16 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.	Size	No.	Spacing in.	Length ft.					
No Fill	11.5	11	8	17.33	4	1	12	16.83	9	2	6	16.83	8	2	6	17.83	4	1	12	17.83	4	2	12	10.00	6	2	12	10.00	94	32	4	1.73	426
3	14	14	8	17.33	4	1	12	16.83	8	2	6	16.83	8	2	6	17.83	4	1	12	17.83	4	2	12	10.00	5	4	6	10.00	94	32	4	2.03	413
5	14	14	8	17.33	4	1	12	16.83	8	2	6	16.83	8	2	6	17.83	4	1	12	17.83	4	2	12	10.00	5	4	6	10.00	110	0	4	2.03	390
10	15	15	8	17.33	4	1	12	16.83	9	2	6	16.83	9	2	6	17.83	4	1	12	17.83	4	2	12	10.00	7	4	6	10.00	110	0	4	2.15	481
20	19	19	10	17.67	4	1	12	17.17	10	2	6	17.17	10	2	6	18.17	4	1	12	18.17	4	2	12	10.00	7	4	6	10.00	110	0	4	2.75	550
30	26	27	12	18.00	4	1	12	17.50	9	2	6	17.50	9	2	6	18.50	4	1	12	18.50	4	2	12	10.00	7	4	6	10.00	114	0	4	3.77	494
40	32	33	14	18.33	4	1	12	17.83	9	2	6	17.83	9	2	6	18.83	4	1	12	18.83	4	2	12	10.00	6	4	6	10.00	114	0	4	4.64	477
50	37	38	16	18.67	4	1	12	18.17	10	2	6	18.17	10	2	6	19.17	4	1	12	19.17	4	2	12	10.00	6	4	6	10.00	114	0	4	5.43	549
60	41	42	17	18.83	4	1	12	18.33	10	2	6	18.33	10	2	6	19.33	4	1	12	19.33	4	2	12	10.00	6	4	6	10.00	114	0	4	6.00	552

### 1 @ 16 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.	Size	No.	Spacing in.	Length ft.					
No Fill	11.5	11	8	17.33	4	1	12	16.83	9	2	6	16.83	8	2	6	17.83	4	1	12	17.83	4	2	12	11.00	6	2	12	11.00	98	32	4	1.78	433
3	14	14	8	17.33	4	1	12	16.83	8	2	6	16.83	8	2	6	17.83	4	1	12	17.83	4	2	12	11.00	5	4	6	11.00	98	32	4	2.08	421
5	14	14	8	17.33	4	1	12	16.83	8	2	6	16.83	8	2	6	17.83	4	1	12	17.83	4	2	12	11.00	6	4	6	11.00	114	0	4	2.08	419
10	15	15	9	17.50	4	1	12	17.00	9	2	6	17.00	9	2	6	18.00	4	1	12	18.00	4	2	12	11.00	7	4	6	11.00	114	0	4	2.28	496
20	19	19	11	17.83	4	1	12	17.33	10	2	6	17.33	10	2	6	18.33	4	1	12	18.33	4	2	12	11.00	7	4	6	11.00	114	0	4	2.90	565
30	26	27	13	18.17	4	1	12	17.67	9	2	6	17.67	9	2	6	18.67	4	1	12	18.67	4	2	12	11.00	7	4	6	11.00	118	0	4	3.94	508
40	32	33	15	18.50	4	1	12	18.00	9	2	6	18.00	9	2	6	19.00	4	1	12	19.00	4	2	12	11.00	7	4	6	11.00	118	0	4	4.83	513
50	37	38	17	18.83	4	1	12	18.33	10	2	6	18.33	10	2	6	19.33	4	1	12	19.33	4	2	12	11.00	7	4	6	11.00	118	0	4	5.63	586
60	41	42	19	19.17	4	1	12	18.67	10	2	6	18.67	10	2	6	19.67	4	1	12	19.67	4	2	12	11.00	6	4	6	11.00	122	0	4	6.33	571

### 1 @ 16 x 12 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.	Size	No.	Spacing in.	Length ft.					
No Fill	11.5	11	8	17.33	4	1	12	16.83	9	2	6	16.83	9	2	6	17.83	4	1	12	17.83	4	2	12	12.00	7	2	12	12.00	102	32	4	1.83	479
3	14	14	8	17.33	4	1	12	16.83	8	2	6	16.83	8	2	6	17.83	4	1	12	17.83	4	2	12	12.00	7	4	6	12.00	102	32	4	2.13	477
5	14	14	8	17.33	4	1	12	16.83	8	2	6	16.83	9	2	6	17.83	4	1	12	17.83	4	2	12	12.00	8	4	6	12.00	118	0	4	2.13	511
10	15	15	10	17.67	4	1	12	17.17	9	2	6	17.17	9	2	6	18.17	4	1	12	18.17	4	2	12	12.00	7	4	6	12.00	118	0	4	2.42	510
20	19	19	12	18.00	4	1	12	17.50	10	2	6	17.50	10	2	6	18.50	4	1	12	18.50	4	2	12	12.00	8	4	6	12.00	122	0	4	3.06	613
30	26	27	15	18.50	4	1	12	18.00	9	2	6	18.00	9	2	6	19.00	4	1	12	19.00	4	2	12	12.00	7	4	6	12.00	122	0	4	4.22	525
40	32	33	17	18.83	4	1	12	18.33	9	2	6	18.33	9	2	6	19.33	4	1	12	19.33	4	2	12	12.00	7	4	6	12.00	122	0	4	5.14	530
50	37	38	19	19.17	4	1	12	18.67	10	2	6	18.67	10	2	6	19.67	4	1	12	19.67	4	2	12	12.00	7	4	6	12.00	126	0	4	5.96	607
60	41	42	21	19.50	4	1	12	19.00	10	2	6	19.00	10	2	6	20.00	4	1	12	20.00	4	2	12	12.00	7	4	6	12.00	126	0	4	6.68	613