

1 @ 18 x 14 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 Fill	11.5	11	9	19.50	4	1	12	19.00	8	2	6	19.00	10	1	12	20.00	4	1	12	20.00	4	2	12	14.00	8	2	12	14.00	113	36	4	2.16	460
3	13	13	9	19.50	4	1	12	19.00	11	1	12	19.00	11	1	12	20.00	4	1	12	20.00	4	2	12	14.00	9	2	12	14.00	113	36	4	2.38	500
5	13	14	10	19.67	4	1	12	19.16	9	2	6	19.16	9	2	6	20.16	4	1	12	20.16	4	2	12	14.00	9	2	12	14.00	132	0	4	2.54	548
10	14	16	11	19.83	4	1	12	19.33	9	2	6	19.33	10	2	6	20.33	4	1	12	20.33	4	2	12	14.00	7	4	6	14.00	132	0	4	2.83	607
20	18	21	14	20.33	4	1	12	19.83	11	2	6	19.83	10	2	6	20.83	4	1	12	20.83	4	2	12	14.00	7	4	6	14.00	136	0	4	3.72	694
30	28	30	17	20.83	4	1	12	20.33	10	2	6	20.33	10	2	6	21.33	4	1	12	21.33	4	2	12	14.00	7	4	6	14.00	136	0	4	5.29	663
40	35	37	19	21.17	4	1	12	20.66	10	2	6	20.66	10	2	6	21.66	4	1	12	21.66	4	2	12	14.00	9	2	12	14.00	140	0	4	6.45	653
50	40	43	22	21.67	4	1	12	21.16	10	2	6	21.16	10	2	6	22.16	4	1	12	22.16	4	2	12	14.00	9	2	12	14.00	140	0	4	7.58	663
60	45	47	24	22.00	4	1	12	21.50	10	2	6	21.50	10	2	6	22.50	4	1	12	22.50	4	2	12	14.00	6	4	6	14.00	144	0	4	8.46	660

1 @ 18 x 15 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 Fill	11.5	11	9	19.50	4	1	12	19.00	8	2	6	19.00	11	1	12	20.00	4	1	12	20.00	4	2	12	15.00	9	2	12	15.00	117	36	4	2.22	511
3	13	13	10	19.67	4	1	12	19.16	11	1	12	19.16	11	1	12	20.16	4	1	12	20.16	4	2	12	15.00	9	2	12	15.00	117	36	4	2.54	512
5	13	14	10	19.67	4	1	12	19.16	9	2	6	19.16	9	2	6	20.16	4	1	12	20.16	4	2	12	15.00	11	2	12	15.00	136	0	4	2.60	617
10	14	16	12	20.00	4	1	12	19.50	9	2	6	19.50	10	2	6	20.50	4	1	12	20.50	4	2	12	15.00	10	2	12	15.00	140	0	4	3.01	632
20	18	22	15	20.50	4	1	12	20.00	11	2	6	20.00	10	2	6	21.00	4	1	12	21.00	4	2	12	15.00	10	2	12	15.00	140	0	4	3.98	717
30	28	30	18	21.00	4	1	12	20.50	10	2	6	20.50	10	2	6	21.50	4	1	12	21.50	4	2	12	15.00	7	4	6	15.00	144	0	4	5.51	681
40	35	37	21	21.50	4	1	12	21.00	10	2	6	21.00	10	2	6	22.00	4	1	12	22.00	4	2	12	15.00	7	4	6	15.00	144	0	4	6.83	690
50	40	43	23	21.83	4	1	12	21.33	10	2	6	21.33	10	2	6	22.33	4	1	12	22.33	4	2	12	15.00	7	4	6	15.00	144	0	4	7.85	696
60	45	47	26	22.33	4	1	12	21.83	10	2	6	21.83	10	2	6	22.83	4	1	12	22.83	4	2	12	15.00	9	2	12	15.00	148	0	4	8.89	688

1 @ 18 x 16 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 Fill	11.5	11	10	19.67	4	1	12	19.16	8	2	6	19.16	11	1	12	20.16	4	1	12	20.16	4	2	12	16.00	9	2	12	16.00	121	36	4	2.38	524
3	13	13	10	19.67	4	1	12	19.16	11	1	12	19.16	11	1	12	20.16	4	1	12	20.16	4	2	12	16.00	11	2	12	16.00	121	36	4	2.60	584
5	13	14	11	19.83	4	1	12	19.33	9	2	6	19.33	9	2	6	20.33	4	1	12	20.33	4	2	12	16.00	10	2	12	16.00	140	0	4	2.78	602
10	14	16	13	20.17	4	1	12	19.66	9	2	6	19.66	10	2	6	20.66	4	1	12	20.66	4	2	12	16.00	11	2	12	16.00	144	0	4	3.20	679
20	18	22	16	20.67	4	1	12	20.16	11	2	6	20.16	10	2	6	21.16	4	1	12	21.16	4	2	12	16.00	11	2	12	16.00	144	0	4	4.19	764
30	28	31	19	21.17	4	1	12	20.66	10	2	6	20.66	10	2	6	21.66	4	1	12	21.66	4	2	12	16.00	10	2	12	16.00	148	0	4	5.82	703
40	35	37	22	21.67	4	1	12	21.16	10	2	6	21.16	10	2	6	22.16	4	1	12	22.16	4	2	12	16.00	7	4	6	16.00	148	0	4	7.10	706
50	40	43	25	22.17	4	1	12	21.66	10	2	6	21.66	10	2	6	22.66	4	1	12	22.66	4	2	12	16.00	7	4	6	16.00	152	0	4	8.28	718
60	45	48	27	22.50	4	1	12	22.00	10	2	6	22.00	10	2	6	23.00	4	1	12	23.00	4	2	12	16.00	7	4	6	16.00	152	0	4	9.27	724

1 @ 18 x 17 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 Fill	11.5	11	10	19.67	4	1	12	19.16	8	2	6	19.16	11	1	12	20.16	4	1	12	20.16	4	2	12	17.00	11	2	12	17.00	125	36	4	2.44	600
3	13	13	11	19.83	4	1	12	19.33	11	1	12	19.33	11	1	12	20.33	4	1	12	20.33	4	2	12	17.00	11	2	12	17.00	125	36	4	2.78	601
5	13	14	12	20.00	4	1	12	19.50	9	2	6	19.50	9	2	6	20.50	4	1	12	20.50	4	2	12	17.00	11	2	12	17.00	148	0	4	2.96	654
10	14	16	14	20.33	4	1	12	19.83	9	2	6	19.83	10	2	6	20.83	4	1	12	20.83	4	2	12	17.00	11	2	12	17.00	148	0	4	3.40	697
20	18	22	17	20.83	4	1	12	20.33	11	2	6	20.33	10	2	6	21.33	4	1	12	21.33	4	2	12	17.00	11	2	12	17.00	148	0	4	4.42	783
30	28	31	21	21.50	4	1	12	21.00	10	2	6	21.00	10	2	6	22.00	4	1	12	22.00	4	2	12	17.00	10	2	12	17.00	152	0	4	6.21	723
40	35	38	24	22.00	4	1	12	21.50	10	2	6	21.50	10	2	6	22.50	4	1	12	22.50	4	2	12	17.00	10	2	12	17.00	156	0	4	7.59	734
50	40	43	27	22.50	4	1	12	22.00	10	2	6	22.00	10	2	6	23.00	4	1	12	23.00	4	2	12	17.00	10	2	12	17.00	156	0	4	8.72	743
60	45	48	29	22.83	4	1	12	22.33	10	2	6	22.33	10	2	6	23.33	4	1	12	23.33	4	2	12	17.00	11	2	12	17.00	156	0	4	9.74	784

1 @ 18 x 18 REINFORCED CONCRETE																											
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