

1 @ 18 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.	No.	No.	No.						
No Fill	11.5	11	8	19.33	4	1	12	18.83	8	2	6	18.83	7	2	6	19.83	4	1	12	19.83	4	2	12	9.00	4	2	12	9.00	93	36	4	1.82	370
3	13	12	8	19.33	4	1	12	18.83	11	1	12	18.83	11	1	12	19.83	4	1	12	19.83	4	2	12	9.00	4	2	12	9.00	93	36	4	1.97	394
5	13	13	8	19.33	4	1	12	18.83	9	2	6	18.83	9	2	6	19.83	4	1	12	19.83	4	2	12	9.00	5	2	12	9.00	112	0	4	2.03	447
10	14	15	8	19.33	4	1	12	18.83	9	2	6	18.83	10	2	6	19.83	4	1	12	19.83	4	2	12	9.00	4	2	12	9.00	112	0	4	2.22	488
20	18	20	9	19.50	4	1	12	19.00	11	2	6	19.00	10	2	6	20.00	4	1	12	20.00	4	2	12	9.00	8	2	12	9.00	112	0	4	2.84	588
30	28	29	11	19.83	4	1	12	19.33	10	2	6	19.33	10	2	6	20.33	4	1	12	20.33	4	2	12	9.00	7	2	12	9.00	112	0	4	4.18	545
40	35	36	13	20.17	4	1	12	19.66	10	2	6	19.66	10	2	6	20.66	4	1	12	20.66	4	2	12	9.00	4	2	12	9.00	116	0	4	5.25	540
50	40	42	14	20.33	4	1	12	19.83	10	2	6	19.83	10	2	6	20.83	4	1	12	20.83	4	2	12	9.00	6	2	12	9.00	116	0	4	6.05	546
60	45	47	15	20.50	4	1	12	20.00	10	2	6	20.00	10	2	6	21.00	4	1	12	21.00	4	2	12	9.00	5	2	12	9.00	116	0	4	6.79	541

1 @ 18 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.	No.	No.	No.						
No Fill	11.5	11	8	19.33	4	1	12	18.83	8	2	6	18.83	7	2	6	19.83	4	1	12	19.83	4	2	12	10.00	5	2	12	10.00	97	36	4	1.87	384
3	13	12	8	19.33	4	1	12	18.83	11	1	12	18.83	11	1	12	19.83	4	1	12	19.83	4	2	12	10.00	4	4	6	10.00	97	36	4	2.02	413
5	13	13	8	19.33	4	1	12	18.83	9	2	6	18.83	9	2	6	19.83	4	1	12	19.83	4	2	12	10.00	4	4	6	10.00	116	0	4	2.08	459
10	14	15	8	19.33	4	1	12	18.83	9	2	6	18.83	10	2	6	19.83	4	1	12	19.83	4	2	12	10.00	8	2	12	10.00	116	0	4	2.27	521
20	18	20	10	19.67	4	1	12	19.16	11	2	6	19.16	10	2	6	20.16	4	1	12	20.16	4	2	12	10.00	8	2	12	10.00	116	0	4	2.98	600
30	28	29	12	20.00	4	1	12	19.50	10	2	6	19.50	10	2	6	20.50	4	1	12	20.50	4	2	12	10.00	7	2	12	10.00	120	0	4	4.34	558
40	35	36	14	20.33	4	1	12	19.83	10	2	6	19.83	10	2	6	20.83	4	1	12	20.83	4	2	12	10.00	7	2	12	10.00	120	0	4	5.43	564
50	40	42	16	20.67	4	1	12	20.16	10	2	6	20.16	10	2	6	21.16	4	1	12	21.16	4	2	12	10.00	7	2	12	10.00	120	0	4	6.34	570
60	45	47	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	10.00	4	4	6	10.00	120	0	4	7.11	559

1 @ 18 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.	No.	No.	No.						
No Fill	11.5	11	8	19.33	4	1	12	18.83	8	2	6	18.83	7	2	6	19.83	4	1	12	19.83	4	2	12	11.00	5	2	12	11.00	101	36	4	1.91	390
3	13	12	8	19.33	4	1	12	18.83	11	1	12	18.83	11	1	12	19.83	4	1	12	19.83	4	2	12	11.00	4	4	6	11.00	101	36	4	2.07	420
5	13	13	8	19.33	4	1	12	18.83	9	2	6	18.83	9	2	6	19.83	4	1	12	19.83	4	2	12	11.00	7	2	12	11.00	120	0	4	2.13	481
10	14	16	9	19.50	4	1	12	19.00	9	2	6	19.00	9	2	6	20.00	4	1	12	20.00	4	2	12	11.00	8	2	12	11.00	120	0	4	2.46	498
20	18	20	11	19.83	4	1	12	19.33	11	2	6	19.33	10	2	6	19.33	4	1	12	20.33	4	2	12	11.00	8	2	12	11.00	120	0	4	3.13	613
30	28	30	13	20.17	4	1	12	19.66	10	2	6	19.66	10	2	6	20.66	4	1	12	20.66	4	2	12	11.00	8	2	12	11.00	124	0	4	4.58	583
40	35	36	15	20.50	4	1	12	20.00	10	2	6	20.00	10	2	6	21.00	4	1	12	21.00	4	2	12	11.00	8	2	12	11.00	124	0	4	5.62	590
50	40	42	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	11.00	7	2	12	11.00	124	0	4	6.55	582
60	45	47	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	11.00	7	2	12	11.00	128	0	4	7.44	591

1 @ 18 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.	No.	No.	No.						
No Fill	11.5	11	8	19.33	4	1	12	18.83	8	2	6	18.83	7	2	6	19.83	4	1	12	19.83	4	2	12	12.00	6	2	12	12.00	105	36	4	1.96	406
3	13	12	8	19.33	4	1	12	18.83	11	1	12	18.83	11	1	12	19.83	4	1	12	19.83	4	2	12	12.00	8	2	12	12.00	105	36	4	2.12	458
5	13	14	8	19.33	4	1	12	18.83	9	2	6	18.83	11	1	12	19.83	4	1	12	19.83	4	2	12	12.00	9	2	12	12.00	124	0	4	2.24	493
10	14	16	10	19.67	4	1	12	19.17	9	2	6	19.17	9	2	6	20.17	4	1	12	20.17	4	2	12	12.00	8	2	12	12.00	124	0	4	2.61	510
20	18	21	12	20.00	4	1	12	19.50	11	2	6	19.50	10	2	6	20.50	4	1	12	20.50	4	2	12	12.00	9	2	12	12.00	128	0	4	3.36	647
30	28	30	15	20.50	4	1	12	20.00	10	2	6	20.00	10	2	6	21.00	4	1	12	21.00	4	2	12	12.00	8	2	12	12.00	128	0	4	4.87	599
40	35	37	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	12.00	8	2	12	12.00	128	0	4	6.00	605
50	40	42	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	12.00	8	2	12	12.00	132	0	4	6.89	613
60	45	47	20	21.33	4	1	12	20.83	10	2	6	20.83	10	2	6	21.83	4	1	12	21.83	4	2	12	12.00	8	2	12	12.00	132	0	4	7.68	617

1 @ 18 x 13 REINFORCED CONCRETE BOX BRIDGE																											
Maximum Fill Height ft.	Dimensions				Bars TST				Bars TSB				Bars BST				Bars BSB				Bars EWE						