

3 @ 18 x 15 REINFORCED CONCRETE BOX BRIDGE																																						
Maximum Fill Height ft.	Dimensions					Bars TST				Bars TSB				Bars BST				Bars EWE				Bars EW				Bars IW				Concrete CY/LF	Reinf. Steel LB/LF							
	ST in.	SB in.	WT in.	IT 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	9	8	56.83	8	2	6	56.33	8	2	6	56.33	8	1	12	57.33	7	2	6	57.33	4	2	12	15.00	8	4	6	15.00	7	4	12	15.00	290	108	8	5.55	1665
3	15	15	10	8	57.00	11	1	12	56.50	8	2	6	56.50	8	1	12	57.50	7	2	6	57.50	4	2	12	15.00	8	4	6	15.00	7	4	12	15.00	292	108	8	6.99	1667
5	16	16	10	8	57.00	11	1	12	56.50	7	2	6	56.50	9	1	12	57.50	8	2	6	57.50	4	2	12	15.00	9	4	6	15.00	7	4	12	15.00	350	0	8	7.35	1721
10	20	20	12	8	57.33	11	1	12	56.83	7	2	6	56.83	9	1	12	57.83	8	2	6	57.83	4	2	12	15.00	9	4	6	15.00	7	4	12	15.00	350	0	8	8.99	1727
20	20	22	15	8	57.83	4	3	12	18.66	11	2	6	57.33	10	2	6	58.33	4	3	12	18.66	4	2	12	15.00	9	4	6	15.00	7	4	12	15.00	350	0	8	9.69	1873
30	29	30	18	9	58.50	4	3	12	18.66	10	2	6	58.00	10	2	6	59.00	4	3	12	18.66	4	2	12	15.00	8	4	6	15.00	5	8	6	15.00	354	0	8	13.25	1730
40	36	37	21	9	59.00	4	3	12	18.66	10	2	6	58.50	10	2	6	59.50	4	3	12	18.66	4	2	12	15.00	8	4	6	15.00	6	8	6	15.00	354	0	8	16.19	1794
50	41	43	23	10	59.50	4	3	12	18.66	10	2	6	59.00	10	2	6	60.00	4	3	12	18.66	4	2	12	15.00	8	4	6	15.00	5	8	6	15.00	358	0	8	18.61	1750
60	46	47	26	11	60.17	4	3	12	18.66	10	2	6	59.67	10	4	6	33.00	4	3	12	18.66	4	2	12	15.00	8	4	6	15.00	5	8	6	15.00	358	0	8	20.84	1808

3 @ 18 x 16 REINFORCED CONCRETE BOX BRIDGE																																						
Maximum Fill Height ft.	Dimensions					Bars TST				Bars TSB				Bars BST				Bars BSB				Bars EWE				Bars EW				Bars IW				Concrete CY/LF	Reinf. Steel LB/LF			
	ST in.	SB in.	WT in.	IT 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	11.5	11	10	8	57.00	8	2	6	56.50	8	2	6	56.50	8	1	12	57.50	7	2	6	57.50	4	2	12	16.00	8	4	6	16.00	8	4	12	16.00	302	108	8	5.77	1736
3	15	15	10	8	57.00	11	1	12	56.50	8	2	6	56.50	8	1	12	57.50	7	2	6	57.50	4	2	12	16.00	9	4	6	16.00	8	4	12	16.00	302	108	8	7.10	1781
5	16	16	11	8	57.17	11	1	12	56.67	7	2	6	56.67	9	1	12	57.67	8	2	6	57.67	4	2	12	16.00	9	4	6	16.00	8	4	12	16.00	358	0	8	7.57	1793
10	20	20	13	8	57.50	11	1	12	57.00	7	2	6	57.00	9	1	12	58.00	8	2	6	58.00	4	2	12	16.00	9	4	6	16.00	8	4	12	16.00	358	0	8	9.23	1799
20	20	22	16	9	58.17	4	3	12	18.66	11	2	6	57.67	10	2	6	58.67	4	3	12	18.66	4	2	12	16.00	9	4	6	16.00	6	4	12	16.00	362	0	8	10.08	1876
30	29	31	19	9	58.67	4	3	12	18.66	10	2	6	58.17	10	2	6	59.17	4	3	12	18.66	4	2	12	16.00	9	4	6	16.00	5	8	6	16.00	362	0	8	13.73	1806
40	36	37	22	10	59.33	4	3	12	18.66	10	2	6	58.83	10	2	6	59.83	4	3	12	18.66	4	2	12	16.00	8	4	6	16.00	5	8	6	16.00	366	0	8	16.64	1773
50	41	43	25	11	60.00	4	3	12	18.66	10	2	6	59.50	10	4	6	32.83	4	3	12	18.66	4	2	12	16.00	8	4	6	16.00	5	8	6	16.00	366	0	8	19.24	1829
60	46	48	27	11	60.33	4	3	12	18.66	10	2	6	59.83	10	4	6	33.00	4	3	12	18.66	4	2	12	16.00	8	4	6	16.00	6	8	6	16.00	366	0	8	21.41	1894

3 @ 18 x 17 REINFORCED CONCRETE BOX BRIDGE																																						
Maximum Fill Height ft.	Dimensions					Bars TST				Bars TSB				Bars BST				Bars BSB				Bars EWE				Bars EW				Bars IW				Concrete CY/LF	Reinf. Steel LB/LF			
	ST in.	SB in.	WT in.	IT 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	11.5	11	10	8	57.00	8	2	6	56.50	8	2	6	56.50	8	1	12	57.50	7	2	6	57.50	4	2	12	17.00	9	4	6	17.00	6	8	6	17.00	310	108	8	5.88	1855
3	15	15	11	8	57.17	11	1	12	56.67	8	2	6	56.67	8	1	12	57.67	7	2	6	57.67	4	2	12	17.00	9	4	6	17.00	6	8	6	17.00	310	108	8	7.33	1838
5	16	16	12	8	57.33	11	1	12	56.83	7	2	6	56.83	9	1	12	57.83	8	2	6	57.83	4	2	12	17.00	9	4	6	17.00	6	8	6	17.00	366	0	8	7.81	1849
10	20	20	14	8	57.67	11	1	12	57.17	7	2	6	57.17	7	2	6	58.17	8	2	6	58.17	4	2	12	17.00	9	4	6	17.00	6	8	6	17.00	366	0	8	9.49	1895
20	20	22	17	9	58.33	4	3	12	18.66	11	2	6	57.83	10	2	6	58.83	4	3	12	18.66	4	2	12	17.00	9	4	6	17.00	5	8	6	17.00	370	0	8	10.36	1945
30	29	31	21	9	59.00	4	3	12	18.66	10	2	6	59.00	10	2	6	59.50	4	3	12	18.66	4	2	12	17.00	9	4	6	17.00	6	8	6	17.00	370	0	8	14.17	1902
40	36	38	24	10	59.67	4	3	12	18.66	10	2	6	59.17	10	4	6	32.67	4	3	12	18.66	4	2	12	17.00	9	4	6	17.00	6	8	6	17.00	374	0	8	17.31	1961
50	41	43	27	11	60.33	4	3	12	18.66	10	2	6	59.83	10	4	6	33.00	4	3	12	18.66	4	2	12	17.00	9	4	6	17.00	5	8	6	17.00	374	0	8	19.76	1910
60	46	48	29	12	60.83	4	3	12	18.66	10	4	6	32.75	10	4	6	33.25	4	3	12	18.66	4	2	12	17.00	9	4	6	17.00	5	8	6	17.00	378	0	8	22.10	1966

3 @ 18 x 18 REINFORCED CONCRETE BOX BRIDGE																																						
Maximum Fill Height ft.	Dimensions					Bars TST				Bars TSB				Bars BST				Bars BSB				Bars EWE				Bars EW				Bars IW				Concrete CY/LF	Reinf. Steel LB/LF			
	ST in.	SB in.	WT in.	IT 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	11.5	11	11	9	57.33	8	2	6	56.83	8	2	6	56.83	8	1	12	57.83	7	2	6	57.83	4	2	12	18.00	9	4	6	18.00	6	8	6	18.00	318	54	8	5.87	1703
3	15	15	12	9	57.50	11	1	12	57.00	8	2	6	57.00	6	2	6	58.00	7	2	6	58.00	4	2	12	18.00	9	4	6	18.00	6	8	6	18.00	318	54	8	6.44	1822
5	16	16	12	9	57.50	11	1	12	57.00	7	2	6	57.00	7	2	6	58.00	8	2	6	58.00	4	2	12	18.00	10	4	6	18.00	6	8	6	18.00	374	0	8	6.62	1921
10	20	20	15	9	58.00	11	1	12	57.50	7	2	6	57.50	9	1	12	58.50	8	2	6	58.50	4	2	12	18.00	9	4	6	18.00	6	8	6	18.00	378	0	8	8.62	1768
20	20	22	18	9	58.50	4	3	12	18.75	11	2	6	59.00	10	2	6	59.00	4	3	12	18.75	4	2	12	18.00	10	4	6	18.00	6	8	6	18.0					