

3 @ 18 x 15 REINFORCED CONCRETE SLAB BRIDGE																																	
Fill Height ft.	Dimensions				Bars TST				Bars TSB				Bars EWE				Bars EWI				Bars IW				Bars LNT	Bars LND	Bars WS	Bars WF	Bars EWF	Bars IWF	Concrete CY/LF	Reinf. Steel LB/LF	
	ST 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.
Continuous	No Fill	11.5	8	8	56.67	8	2	6	56.17	8	2	6	56.17	4	2	12	13.50	7	4	6	13.50	4	8	6	13.50	172	108	4	4	1.67	1.67	3.37	1109
	3	15	9	8	56.83	11	1	12	56.33	8	2	6	56.33	4	2	12	13.50	7	4	6	13.50	4	8	6	13.50	172	108	4	4	1.75	1.67	4.08	1110
	5	16	9	8	56.83	11	1	12	56.33	7	2	6	56.33	4	2	12	13.50	8	4	6	13.50	4	8	6	13.50	228	0	4	4	1.75	1.67	4.26	1038
	10	20	11	8	57.17	11	1	12	56.67	7	2	6	56.67	4	2	12	13.50	8	4	6	13.50	4	8	6	13.50	230	0	4	4	1.92	1.67	5.17	1043
Moment Break	20	20	14	8	57.67	4	3	12	18.66	11	2	6	57.17	4	2	12	13.50	8	4	6	13.50	4	8	6	13.50	230	0	4	4	2.17	1.67	5.48	1155
	30	29	16	8	58.00	4	3	12	18.66	10	2	6	57.50	4	2	12	13.50	8	4	6	13.50	6	4	12	13.50	232	0	4	4	2.33	1.67	7.29	1053
	40	36	19	9	58.67	4	3	12	18.66	10	2	6	58.17	4	2	12	13.50	8	4	6	13.50	6	4	12	13.50	232	0	4	4	2.58	1.75	8.94	1060
	50	41	21	9	59.00	4	3	12	18.66	10	2	6	58.50	4	2	12	13.50	8	4	6	13.50	8	4	12	13.50	232	0	4	4	2.75	1.75	10.08	1126
60	46	23	10	59.50	4	3	12	18.66	10	2	6	59.00	4	2	12	13.50	7	4	6	13.50	5	8	6	13.50	234	0	4	4	2.92	1.83	11.29	1066	

3 @ 18 x 16 REINFORCED CONCRETE SLAB BRIDGE																																	
Fill Height ft.	Dimensions				Bars TST				Bars TSB				Bars EWE				Bars EWI				Bars IW				Bars LNT	Bars LND	Bars WS	Bars WF	Bars EWF	Bars IWF	Concrete CY/LF	Reinf. Steel LB/LF	
	ST 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.
Continuous	No Fill	11.5	9	8	56.83	8	2	6	56.33	8	2	6	56.33	4	2	12	14.50	7	4	6	14.50	7	4	12	14.50	180	108	4	4	1.75	1.67	3.55	1173
	3	15	9	8	56.83	11	1	12	56.33	8	2	6	56.33	4	2	12	14.50	8	4	6	14.50	7	4	12	14.50	180	108	4	4	1.75	1.67	4.17	1207
	5	16	10	8	57.00	11	1	12	56.50	7	2	6	56.50	4	2	12	14.50	8	4	6	14.50	7	4	12	14.50	238	0	4	4	1.83	1.67	4.45	1105
	10	20	11	8	57.17	11	1	12	56.67	7	2	6	56.67	4	2	12	14.50	9	4	6	14.50	7	4	12	14.50	238	0	4	4	1.92	1.67	5.26	1149
Moment Break	20	20	15	8	57.83	4	3	12	18.66	11	2	6	57.33	4	2	12	14.50	8	4	6	14.50	7	4	12	14.50	238	0	4	4	2.25	1.67	5.70	1221
	30	29	18	9	58.50	4	3	12	18.66	10	2	6	58.00	4	2	12	14.50	8	4	6	14.50	6	4	12	14.50	240	0	4	4	2.50	1.75	7.71	1081
	40	36	20	9	58.83	4	3	12	18.66	10	2	6	58.33	4	2	12	14.50	8	4	6	14.50	7	4	12	14.50	240	0	4	4	2.67	1.75	9.21	1116
	50	41	23	10	59.50	4	3	12	18.66	10	2	6	59.00	4	2	12	14.50	8	4	6	14.50	6	4	12	14.50	242	0	4	4	2.92	1.83	10.54	1092
60	46	25	11	60.00	4	3	12	18.66	10	2	6	59.50	4	2	12	14.50	8	4	6	14.50	5	8	6	14.50	242	0	4	4	3.08	1.92	11.78	1130	

3 @ 18 x 17 REINFORCED CONCRETE SLAB BRIDGE																																	
Fill Height ft.	Dimensions				Bars TST				Bars TSB				Bars EWE				Bars EWI				Bars IW				Bars LNT	Bars LND	Bars WS	Bars WF	Bars EWF	Bars IWF	Concrete CY/LF	Reinf. Steel LB/LF	
	ST 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.
Continuous	No Fill	11.5	9	8	56.83	8	2	6	56.33	8	2	6	56.33	4	2	12	15.50	8	4	6	15.50	5	8	6	15.50	188	108	4	4	1.75	1.67	3.63	1237
	3	15	10	8	57.00	11	1	12	56.50	8	2	6	56.50	4	2	12	15.50	8	4	6	15.50	5	8	6	15.50	189	108	4	4	1.83	1.67	4.36	1238
	5	16	11	8	57.17	11	1	12	56.67	7	2	6	56.67	4	2	12	15.50	8	4	6	15.50	5	8	6	15.50	246	0	4	4	1.92	1.67	4.65	1135
	10	20	12	8	57.33	11	1	12	56.83	7	2	6	56.83	4	2	12	15.50	9	4	6	15.50	5	8	6	15.50	246	0	4	4	2.00	1.67	5.47	1182
Moment Break	20	20	16	8	58.00	4	3	12	18.66	11	2	6	57.50	4	2	12	15.50	8	4	6	15.50	5	8	6	15.50	248	0	4	4	2.33	1.67	5.93	1252
	30	29	19	9	58.67	4	3	12	18.66	10	2	6	58.17	4	2	12	15.50	8	4	6	15.50	5	8	6	15.50	248	0	4	4	2.58	1.75	7.97	1142
	40	36	22	10	59.33	4	3	12	18.66	10	2	6	58.83	4	2	12	15.50	8	4	6	15.50	6	4	12	15.50	250	0	4	4	2.83	1.83	9.68	1114
	50	41	24	10	59.67	4	3	12	18.66	10	2	6	59.17	4	2	12	15.50	8	4	6	15.50	8	4	12	15.50	250	0	4	4	3.00	1.83	10.84	1189
60	46	26	11	60.17	4	3	12	18.66	10	2	6	59.67	4	2	12	15.50	8	4	6	15.50	5	8	6	15.50	250	0	4	4	3.17	1.92	12.10	1158	

3 @ 18 x 18 REINFORCED CONCRETE SLAB BRIDGE																																	
Fill Height ft.	Dimensions				Bars TST				Bars TSB				Bars EWE				Bars EWI				Bars IW				Bars LNT	Bars LND	Bars WS	Bars WF	Bars EWF	Bars IWF	Concrete CY/LF	Reinf. Steel LB/LF	
	ST 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.
Continuous	No Fill	11.5	10	9	57.17	8	2	6	56.67	8	2	6	56.67	4	2	12	16.50	8	4	6	16.50	5	8	6	16.50	197	108	4	4	1.83	1.75	3.89	1267
	3	15	11	9	57.33	11	1	12	56.83	8	2	6	56.83	4	2	12	16.50	8	4	6	16.50	5	8	6	16.50	197	108	4	4	1.92	1.75	4.63	1268
	5	16	11	9	57.33	11	1	12	56.83	7	2	6	56.83	4	2	12	16.50	9	4	6	16.50	5	8	6	16.50	254	0	4	4	1.92	1.75	4.80	1210
	10	20	13	9	57.67	11	1	12	57.17	7	2	6	57.17	4	2	12	16.50	9	4	6	16.50	5	8	6	16.50	254	0	4	4	2.08	1.75	5.75	1214
Moment Break	20	20	17	9	58.33	4	3	12	18.66	11	2	6	57.83	4	2	12	16.50	9	4	6	16.50	5	8	6	16.50	256	0	4	4	2.42	1.75	6.24	1330
	30	29	20	9	58.83	4	3	12	18.66	10	2	6	58.33	4	2	12	16.50	9	4	6	16.50	8	4	12	16.50	256	0	4	4	2.67	1.75	8.24	1256
	40	36	23	10	59.50	4	3	12	18.66	10	2	6	59.00	4	2	12	16.50	8	4	6	16.50	7	4	12	16.50	258	0	4	4	2.92	1.83	9.97	1174
	50	41	26	11	60.17	4	3	12	18.66	10	2	6	59.67	4	2	12	16.50	9	4	6	16.50	7	4	12	16.50	258	0	4	4	3.17	1.92	11.36	1229
60	46	28	11	60.50	4	3	12	18.66	10	2	6	60.00	4	2	12	16.50	9	4	6	16.50	6	8	6	16.50	260	0	4	4	3.33	1.92	12.56	1297	

Note: Maximum fill height is measured from the bottom of