

3 @ 16 x 13 REINFORCED CONCRETE BOX BRIDGE

Maximum Fill Height ft.	Dimensions					Bars TST			Bars TSB			Bars BST			Bars BSB			Bars EWE			Bars EWI			Bars IW			Bars LNT	Bars LND	Bars WS	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	8	8	50.67	7	2	6	50.17	7	2	6	50.17	7	1	12	51.17	6	2	6	51.17	4	2	12	13.00	7	4	6	13.00	4	8	6	13.00	256	48	8	4.84	1189
3	15	15	9	8	50.83	7	2	6	50.33	7	2	6	50.33	8	1	12	51.33	9	1	12	51.33	4	2	12	13.00	7	4	6	13.00	4	8	6	13.00	256	48	8	6.12	1244
5	15	15	9	8	50.83	8	2	6	50.33	7	2	6	50.33	6	2	6	51.33	7	2	6	51.33	4	2	12	13.00	8	4	6	13.00	4	8	6	13.00	306	0	8	6.12	1375
10	18	18	10	8	51.00	7	2	6	50.50	7	2	6	50.50	6	2	6	51.50	7	2	6	51.50	4	2	12	13.00	9	4	6	13.00	4	8	6	13.00	310	0	8	7.17	1356
20	19	19	13	8	51.50	4	3	12	16.66	10	2	6	51.00	10	2	6	52.00	4	3	12	16.66	4	2	12	13.00	8	4	6	13.00	4	8	6	13.00	310	0	8	7.78	1493
30	26	27	16	8	52.00	4	3	12	16.66	9	2	6	51.50	9	2	6	52.50	4	3	12	16.66	4	2	12	13.00	8	4	6	13.00	4	8	6	13.00	314	0	8	10.52	1316
40	32	33	18	8	52.33	4	3	12	16.66	9	2	6	51.83	9	2	6	52.83	4	3	12	16.66	4	2	12	13.00	8	4	6	13.00	7	4	12	13.00	314	0	8	12.69	1358
50	37	38	20	9	52.83	4	3	12	16.66	10	2	6	52.33	10	2	6	53.33	4	3	12	16.66	4	2	12	13.00	7	4	6	13.00	8	4	12	13.00	314	0	8	14.67	1555
60	41	42	22	10	53.33	4	3	12	16.66	10	2	6	52.83	10	2	6	53.83	4	3	12	16.66	4	2	12	13.00	7	4	6	13.00	5	8	6	13.00	318	0	8	16.36	1536

3 @ 16 x 14 REINFORCED CONCRETE BOX BRIDGE

Maximum Fill Height ft.	Dimensions					Bars TST			Bars TSB			Bars BST			Bars BSB			Bars EWE			Bars EWI			Bars IW			Bars LNT	Bars LND	Bars WS	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	8	8	50.67	7	2	6	50.17	7	2	6	50.17	5	2	6	51.17	6	2	6	51.17	4	2	12	14.00	8	4	6	14.00	6	4	12	14.00	264	48	8	4.94	1256
3	15	15	9	8	50.83	7	2	6	50.33	7	2	6	50.33	8	1	12	51.33	9	1	12	51.33	4	2	12	14.00	8	4	6	14.00	6	4	12	14.00	264	48	8	6.22	1309
5	15	15	10	8	51.00	8	2	6	50.50	7	2	6	50.50	6	2	6	51.50	7	2	6	51.50	4	2	12	14.00	8	4	6	14.00	6	4	12	14.00	318	0	8	6.32	1413
10	18	18	11	8	51.17	7	2	6	50.67	7	2	6	50.67	6	2	6	51.67	7	2	6	51.67	4	2	12	14.00	9	4	6	14.00	6	4	12	14.00	318	0	8	7.38	1393
20	19	20	14	8	51.67	4	3	12	16.66	10	2	6	51.17	10	2	6	52.17	4	3	12	16.66	4	2	12	14.00	8	4	6	14.00	6	4	12	14.00	318	0	8	8.18	1433
30	26	27	17	8	52.17	4	3	12	16.66	9	2	6	51.67	9	2	6	52.67	4	3	12	16.66	4	2	12	14.00	8	4	6	14.00	6	4	12	14.00	322	0	8	10.78	1350
40	32	33	20	9	52.83	4	3	12	16.66	9	2	6	52.33	10	2	6	53.33	4	3	12	16.66	4	2	12	14.00	8	4	6	14.00	6	4	12	14.00	322	0	8	13.21	1456
50	37	38	22	9	53.17	4	3	12	16.66	10	2	6	52.67	10	2	6	53.67	4	3	12	16.66	4	2	12	14.00	8	4	6	14.00	8	4	12	14.00	326	0	8	15.10	1624
60	41	43	24	10	53.67	4	3	12	16.66	10	2	6	53.17	10	2	6	54.17	4	3	12	16.66	4	2	12	14.00	8	4	6	14.00	5	8	6	14.00	326	0	8	16.98	1600

3 @ 16 x 15 REINFORCED CONCRETE BOX BRIDGE

Maximum Fill Height ft.	Dimensions					Bars TST			Bars TSB			Bars BST			Bars BSB			Bars EWE			Bars EWI			Bars IW			Bars LNT	Bars LND	Bars WS	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	50.83	7	2	6	50.33	7	2	6	50.33	7	1	12	51.33	6	2	6	51.33	4	2	12	15.00	8	4	6	15.00	7	4	12	15.00	272	48	8	5.14	1312
3	15	15	10	8	51.00	7	2	6	50.50	7	2	6	50.50	8	1	12	51.50	9	1	12	51.50	4	2	12	15.00	8	4	6	15.00	7	4	12	15.00	274	48	8	6.44	1368
5	15	15	10	8	51.00	8	2	6	50.50	7	2	6	50.50	9	1	12	51.50	7	2	6	51.50	4	2	12	15.00	9	4	6	15.00	7	4	12	15.00	326	0	8	6.44	1533
10	18	18	12	8	51.33	7	2	6	50.83	7	2	6	50.83	6	2	6	51.83	7	2	6	51.83	4	2	12	15.00	9	4	6	15.00	7	4	12	15.00	326	0	8	7.61	1454
20	19	20	15	8	51.83	4	3	12	16.66	10	2	6	51.33	9	2	6	52.33	4	3	12	16.66	4	2	12	15.00	9	4	6	15.00	7	4	12	15.00	326	0	8	8.43	1536
30	26	28	18	9	52.50	4	3	12	16.66	9	2	6	52.00	9	2	6	53.00	4	3	12	16.66	4	2	12	15.00	8	4	6	15.00	6	4	12	15.00	330	0	8	11.34	1378
40	32	34	21	9	53.00	4	3	12	16.66	9	2	6	52.50	9	2	6	53.50	4	3	12	16.66	4	2	12	15.00	8	4	6	15.00	7	4	12	15.00	330	0	8	13.68	1418
50	37	39	24	10	53.67	4	3	12	16.66	10	2	6	53.17	10	2	6	54.17	4	3	12	16.66	4	2	12	15.00	8	4	6	15.00	8	4	12	15.00	334	0	8	15.86	1661
60	41	43	26	10	54.00	4	3	12	16.66	10	2	6	53.50	10	2	6	54.50	4	3	12	16.66	4	2	12	15.00	8	4	6	15.00	6	8	6	15.00	334	0	8	17.47	1687

3 @ 16 x 16 REINFORCED CONCRETE BOX BRIDGE

Maximum Fill Height ft.	Dimensions					Bars TST			Bars TSB			Bars BST			Bars BSB			Bars EWE			Bars EWI			Bars IW			Bars LNT	Bars LND	Bars WS	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	10	8	51.00	7	2	6	50.50	7	2	6	50.50	7	1	12	51.50	7	2	6	51.50	4	2	12	16.00	8	4	6	16.00	8	4	12	16.00	284	48	8	5.35	1438
3	15	15	10	8	51.00	7	2	6	50.50	7	2	6	50.50	8	1	12	51.50	9	1	12	51.50	4	2	12	16.00	9	4	6	16.00	8	4	12	16.00	284	48	8	6.55	1482
5	15	15	11	8	51.17	8	2	6	50.67	7	2	6	50.67	9	1	12	51.67	7	2	6	51.67	4	2	12	16.00	9	4	6	16.00	8	4	12	16.00	334	0	8	6.66	1604
10	18	18	13	8	51.50	7	2	6	51.00	7	2	6	51.00	6	2	6	52.00	7	2	6	52.00	4	2	12	16.00	9	4	6	16.00	8	4	12	16.00	334	0	8	7.85	1526
20	19	20	16	8	52.00	4	3	12	16.66	10	2	6	51.50	10	2	6	52.50	4	3	12																		