

CONST. NO.		
PROJECT NO.	YEAR	SHEET NO.
REVISIONS		
NO.	DATE	BY
		BRIEF DESCRIPTION

1 @ 14 x 10 REINFORCED CONCRETE SLAB BRIDGE																										
Fill Height ft.	Dimensions			Bars TST				Bars TSB				Bars EWE				Bar EWI				Bars LNT	Bars LND	Bars WS	Bars WF	Bars EWF	Concrete CY/LF	Reinf. Steel LB/LF
	ST 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.							
No Fill	10.5	8	15.33	4	1	12	14.83	11	1	12	14.83	4	2	12	8.50	4	2	12	8.50	53	28	2	2	1.66	1.15	226
3	11	8	15.33	4	1	12	14.83	11	1	12	14.83	4	2	12	8.50	4	2	12	8.50	53	28	2	2	1.66	1.18	226
5	11	8	15.33	4	1	12	14.83	10	1	12	14.83	4	2	12	8.50	5	2	12	8.50	68	0	2	2	1.65	1.18	208
10	12	8	15.33	4	1	12	14.83	11	1	12	14.83	4	2	12	8.50	4	4	6	8.50	68	0	2	2	1.65	1.22	226
20	15	9	15.50	4	1	12	15.00	9	2	6	15.00	4	2	12	8.50	7	2	12	8.50	68	0	2	2	1.75	1.43	264
30	22	11	15.83	4	1	12	15.33	9	2	6	15.33	4	2	12	8.50	7	2	12	8.50	68	0	2	2	1.91	1.92	266
40	28	12	16.00	4	1	12	15.50	9	2	6	15.50	4	2	12	8.50	7	2	12	8.50	70	0	2	2	2	2.29	270
50	32	14	16.33	4	1	12	15.83	9	2	6	15.83	4	2	12	8.50	4	4	6	8.50	70	0	2	2	2.15	2.64	260
60	36	15	16.50	4	1	12	16.00	9	2	6	16.00	4	2	12	8.50	4	4	6	8.50	70	0	2	2	2.25	2.92	262

1 @ 14 x 11 REINFORCED CONCRETE SLAB BRIDGE																										
Fill Height ft.	Dimensions			Bars TST				Bars TSB				Bars EWE				Bar EWI				Bars LNT	Bars LND	Bars WS	Bars WF	Bars EWF	Concrete CY/LF	Reinf. Steel LB/LF
	ST 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.							
No Fill	10.5	8	15.33	4	1	12	14.83	11	1	12	14.83	4	2	12	9.50	4	2	12	9.50	57	28	2	2	1.66	1.20	232
3	11	8	15.33	4	1	12	14.83	11	1	12	14.83	4	2	12	9.50	5	2	12	9.50	57	28	2	2	1.66	1.23	239
5	11	8	15.33	4	1	12	14.83	10	1	12	14.83	4	2	12	9.50	5	2	12	9.50	72	0	2	2	1.66	1.23	215
10	12	8	15.33	4	1	12	14.83	11	1	12	14.83	4	2	12	9.50	5	2	6	9.50	72	0	2	2	1.66	1.27	250
20	15	10	15.67	4	1	12	15.16	9	2	6	15.16	4	2	12	9.50	5	4	6	9.50	72	0	2	2	1.83	1.57	274
30	22	12	16.00	4	1	12	15.50	9	2	6	15.50	4	2	12	9.50	7	2	12	9.50	74	0	2	2	2	2.06	277
40	28	14	16.33	4	1	12	15.83	9	2	6	15.83	4	2	12	9.50	7	2	12	9.50	74	0	2	2	2.16	2.52	280
50	32	15	16.50	4	1	12	16.00	9	2	6	16.00	4	2	12	9.50	7	2	12	9.50	74	0	2	2	2.25	2.81	281
60	36	17	16.83	4	1	12	16.33	9	2	6	16.33	4	2	12	9.50	7	2	12	9.50	74	0	2	2	2.41	3.19	284

1 @ 14 x 12 REINFORCED CONCRETE SLAB BRIDGE																										
Fill Height ft.	Dimensions			Bars TST				Bars TSB				Bars EWE				Bar EWI				Bars LNT	Bars LND	Bars WS	Bars WF	Bars EWF	Concrete CY/LF	Reinf. Steel LB/LF
	ST 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.							
No Fill	10.5	8	15.33	4	1	12	14.83	11	1	12	14.83	4	2	12	10.50	5	2	12	10.50	61	28	2	2	1.66	1.25	244
3	11	8	15.33	4	1	12	14.83	11	1	12	14.83	4	2	12	10.50	5	2	12	10.50	61	28	2	2	1.66	1.27	244
5	11	8	15.33	4	1	12	14.83	10	1	12	14.83	4	2	12	10.50	7	2	12	10.50	76	0	2	2	1.66	1.27	242
10	12	9	15.50	4	1	12	15.00	11	1	12	15.00	4	2	12	10.50	8	2	12	10.50	76	0	2	2	1.75	1.40	271
20	15	11	15.83	4	1	12	15.33	9	2	6	15.33	4	2	12	10.50	8	2	12	10.50	76	0	2	2	1.91	1.71	296
30	22	13	16.17	4	1	12	15.66	9	2	6	15.66	4	2	12	10.50	8	2	12	10.50	78	0	2	2	2.08	2.22	300
40	28	15	16.50	4	1	12	16.00	9	2	6	16.00	4	2	12	10.50	8	2	12	10.50	78	0	2	2	2.25	2.70	303
50	32	17	16.83	4	1	12	16.33	9	2	6	16.33	4	2	12	10.50	8	2	12	10.50	78	0	2	2	2.41	3.08	306
60	36	18	17.00	4	1	12	16.50	9	2	6	16.50	4	2	12	10.50	5	4	6	10.50	80	0	2	2	2.5	3.38	296

1 @ 14 x 13 REINFORCED CONCRETE SLAB BRIDGE																										
Fill Height ft.	Dimensions			Bars TST				Bars TSB				Bars EWE				Bar EWI				Bars LNT	Bars LND	Bars WS	Bars WF	Bars EWF	Concrete CY/LF	Reinf. Steel LB/LF
	ST 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.							
No Fill	10.5	8	15.33	4	1	12	14.83	11	1	12	14.83	4	2	12	11.50	4	4	6	11.50	65	28	2	2	1.66	1.30	257
3	11	8	15.33	4	1	12	14.83	11	1	12	14.83	4	2	12	11.50	7	2	12	11.50	65	28	2	2	1.66	1.32	274
5	11	8	15.33	4	1	12	14.83	10	1	12	14.83	4	2	12	11.50	8	2	12	11.50	80	0	2	2	1.66	1.32	264
10	12	9	15.50	4	1	12	15.00	11	1	12	15.00	4	2	12	11.50	7	4	6	11.50	80	0	2	2	1.75	1.46	313
20	15	12	16.00	4	1	12	15.50	9	2	6	15.50	4	2	12	11.50	6	4	12	11.50	82	0	2	2	2	1.87	316
30	22	14	16.33	4	1	12	15.83	9	2	6	15.83	4	2	12	11.50	8	2	12	11.50	82	0	2	2	2.16	2.39	311
40	28	16	16.67	4	1	12	16.16	9	2	6	16.16	4	2	12	11.50	8	2	12	11.50	82	0	2	2	2.33	2.89	314
50	32	18	17.00	4	1	12	16.50	9	2	6	16.50	4	2	12	11.50	8	2	12	11.50	84	0	2	2	2.5	3.29	318
60	36	20	17.33	4	1	12	16.83	9	2	6	16.83	4	2	12	11.50	8	2	12	11.50	84	0	2	2	2.66	3.69	320

1 @ 14 x 14 REINFORCED CONCRETE SLAB BRIDGE																										
Fill Height ft.	Dimensions			Bars TST				Bars TSB				Bars EWE				Bar EWI				Bars LNT	Bars LND	Bars WS	Bars WF	Bars EWF	Concrete CY/LF	Reinf. Steel LB/LF
	ST 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.							
No Fill	10.5	8	15.33	4	1	12	14.83	11	1	12	14.83	4	2	12	12.50	7	2	12	12.50	69	28	2	2	1.66	1.35	282
3	11	8	15.33	4	1	12	14.83	11	1	12	14.83	4	2	12	12.50	6	4	6	12.50	69	28	2	2	1.66	1.37	306
5	11	9	15.50	4	1	12	15.00	10	1	12	15.00	4	2	12	12.50	8	2	12	12.50	84	0	2	2	1.75	1.47	275
10	12	10	15.67	4	1	12	15.16	11	1	12	15.16	4	2	12	12.50	7	4	6	12.50	84	0	2	2	1.83	1.61	325
20	15	13	16.17	4	1	12	15.66	9	2	6	15.66	4	2	12	12.50	9	2	12	12.50	86	0	2	2	2.08	2.03	337
30	22	15	16.50	4	1	12	16.00	9	2	6	16.00	4	2	12	12.50	9	2	12	12.50	86	0	2	2	2.25	2.58	339
40	28	18	17.00	4	1	12	16.50	9	2	6	16.50	4	2	12	12.50	6	4	6	12.50	88	0	2	2	2.5	3.19	336
50	32	20	17.33	4	1	12	16.83	9	2	6	16.83	4	2	12	12.50	6	4	6	12.50	88	0	2	2	2.66	3.60	338
60	36	22	17.67	4	1	12	17.16	9	2	6	17.16	4	2	12	12.50	8	2	12	12.50	88	0	2	2	2.83	4.03	333

Note: Maximum fill height shown in the table is measured from the bottom of the top slab. To obtain the total fill height from the flow line, add the height of the box.
 Note: When top slab is the riding surface (No Fill), the concrete cover to the top mat of reinforcing shall be 2-1/2 inches.

The following bar information applies to all fill cases in the table above:
 Bars LNT Size = 4 Spacing = 12 in.
 Bars LND Size = 4 Spacing = 6 in.
 Bars WS Size = 8 Length = 5.00 ft. Spacing = 12 in.
 Bars WF Size = 8 Length = 6.00 ft. Spacing = 12 in.
 Bars EWF Size = 4 No. = 2 Spacing = 12 in.