

CONST. NO.			
PROJECT NO.	YEAR	SHEET NO.	
REVISIONS			
NO.	DATE	BY	BRIEF DESCRIPTION
1	2-28-03	JHW	CHANGED NOTE

2 @ 14 x 11 REINFORCED CONCRETE SLAB BRIDGE																															
Fill Height ft.	Dimensions				Bars TST				Bars TSB				Bars EWE				Bar EWI				Bar W				Bars LNT	Bars LND	Bars WS	Bars WF	Bars EWF	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 Fill	10.5	8	8	30.00	7	2	6	29.50	6	2	6	29.50	4	2	12	9.50	4	2	12	9.50	4	2	12	9.50	93	28	3	3	1.66	2.04	429
3	11	8	8	30.00	7	2	6	29.50	6	2	6	29.50	4	2	12	9.50	5	2	12	9.50	4	2	12	9.50	93	28	3	3	1.66	2.08	436
5	11	8	8	30.00	10	1	12	29.50	8	1	12	29.50	4	2	12	9.50	4	4	6	9.50	4	2	12	9.50	123	0	3	3	1.66	2.08	429
10	12	8	8	30.00	11	1	12	29.50	8	1	12	29.50	4	2	12	9.50	4	2	12	9.50	4	2	12	9.50	123	0	3	3	1.66	2.17	485
20	15	10	8	30.33	4	2	12	14.66	9	2	6	29.83	4	2	12	9.50	7	2	12	9.50	4	2	12	9.50	123	0	3	3	1.83	2.60	460
30	22	12	8	30.67	4	2	12	14.66	9	2	6	30.16	4	2	12	9.50	7	2	12	9.50	5	2	12	9.50	123	0	3	3	2	3.41	469
40	28	14	8	31.00	4	2	12	14.66	9	2	6	30.50	4	2	12	9.50	7	2	12	9.50	6	2	12	9.50	125	0	3	3	2.16	4.15	482
50	32	15	8	31.17	4	2	12	14.66	9	2	6	30.66	4	2	12	9.50	7	2	12	9.50	7	2	12	9.50	125	0	3	3	2.25	4.61	493
60	36	17	8	31.50	4	2	12	14.66	9	2	6	31.00	4	2	12	9.50	7	2	12	9.50	8	2	12	9.50	125	0	3	3	2.41	5.17	508

2 @ 14 x 12 REINFORCED CONCRETE SLAB BRIDGE																															
Fill Height ft.	Dimensions				Bars TST				Bars TSB				Bars EWE				Bar EWI				Bar W				Bars LNT	Bars LND	Bars WS	Bars WF	Bars EWF	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 Fill	10.5	8	8	30.00	7	2	6	29.50	6	2	6	29.50	4	2	12	10.50	5	2	12	10.50	4	2	12	10.50	99	28	3	3	1.66	2.11	445
3	11	8	8	30.00	7	2	6	29.50	6	2	6	29.50	4	2	12	10.50	4	4	6	10.50	4	2	12	10.50	99	28	3	3	1.66	2.15	451
5	11	8	8	30.00	10	1	12	29.50	8	1	12	29.50	4	2	12	10.50	7	2	12	10.50	4	2	12	10.50	129	0	3	3	1.66	2.15	454
10	12	9	8	30.17	11	1	12	29.66	8	1	12	29.66	4	2	12	10.50	8	2	12	10.50	4	2	12	10.50	129	0	3	3	1.75	2.33	498
20	15	11	8	30.50	4	2	12	14.66	9	2	6	30.00	4	2	12	10.50	8	2	12	10.50	4	2	12	10.50	129	0	3	3	1.91	2.77	485
30	22	13	8	30.83	4	2	12	14.66	9	2	6	30.33	4	2	12	10.50	8	2	12	10.50	5	2	12	10.50	129	0	3	3	2.08	3.60	495
40	28	15	8	31.17	4	2	12	14.66	9	2	6	30.66	4	2	12	10.50	8	2	12	10.50	6	2	12	10.50	131	0	3	3	2.25	4.35	510
50	32	17	8	31.50	4	2	12	14.66	9	2	6	31.00	4	2	12	10.50	8	2	12	10.50	7	2	12	10.50	131	0	3	3	2.41	4.91	523
60	36	18	8	31.67	4	2	12	14.66	9	2	6	31.16	4	2	12	10.50	8	2	12	10.50	8	2	12	10.50	131	0	3	3	2.5	5.39	526

2 @ 14 x 13 REINFORCED CONCRETE SLAB BRIDGE																															
Fill Height ft.	Dimensions				Bars TST				Bars TSB				Bars EWE				Bar EWI				Bar W				Bars LNT	Bars LND	Bars WS	Bars WF	Bars EWF	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 Fill	10.5	8	8	30.00	7	2	6	29.50	6	2	6	29.50	4	2	12	11.50	4	4	6	11.50	5	2	12	11.50	105	28	3	3	1.66	2.18	469
3	11	8	8	30.00	7	2	6	29.50	6	2	6	29.50	4	2	12	11.50	7	2	12	11.50	5	2	12	11.50	105	28	3	3	1.66	2.23	486
5	11	8	8	30.00	10	1	12	29.50	8	1	12	29.50	4	2	12	11.50	6	4	6	11.50	5	2	12	11.50	135	0	3	3	1.66	2.23	495
10	12	9	8	30.17	11	1	12	29.66	8	1	12	29.66	4	2	12	11.50	7	4	6	11.50	5	2	12	11.50	135	0	3	3	1.75	2.41	551
20	15	12	8	30.67	4	2	12	14.66	9	2	6	30.16	4	2	12	11.50	6	4	6	11.50	5	2	12	11.50	135	0	3	3	2	2.95	515
30	22	14	8	31.00	4	2	12	14.66	9	2	6	30.50	4	2	12	11.50	8	2	12	11.50	5	2	12	11.50	137	0	3	3	2.16	3.79	511
40	28	16	8	31.33	4	2	12	14.66	9	2	6	30.83	4	2	12	11.50	8	2	12	11.50	6	2	12	11.50	137	0	3	3	2.33	4.56	524
50	32	18	8	31.67	4	2	12	14.66	9	2	6	31.16	4	2	12	11.50	8	2	12	11.50	7	2	12	11.50	137	0	3	3	2.5	5.14	539
60	36	20	8	32.00	4	2	12	14.66	9	2	6	31.50	4	2	12	11.50	8	2	12	11.50	8	2	12	11.50	139	0	3	3	2.66	5.73	557

2 @ 14 x 14 REINFORCED CONCRETE SLAB BRIDGE																															
Fill Height ft.	Dimensions				Bars TST				Bars TSB				Bars EWE				Bar EWI				Bar W				Bars LNT	Bars LND	Bars WS	Bars WF	Bars EWF	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 Fill	10.5	8	8	30.00	7	2	6	29.50	6	2	6	29.50	4	2	12	12.50	7	2	12	12.50	5	2	12	12.50	111	28	3	3	1.66	2.26	497
3	11	8	8	30.00	7	2	6	29.50	6	2	6	29.50	4	2	12	12.50	6	4	6	12.50	5	2	12	12.50	111	28	3	3	1.66	2.30	521
5	11	9	8	30.17	10	1	12	29.66	8	1	12	29.66	4	2	12	12.50	6	4	6	12.50	5	2	12	12.50	141	0	3	3	1.75	2.39	510
10	12	10	8	30.33	11	1	12	29.83	8	1	12	29.83	4	2	12	12.50	7	4	6	12.50	5	2	12	12.50	141	0	3	3	1.83	2.58	568
20	15	13	8	30.83	4	2	12	14.66	9	2	6	30.33	4	2	12	12.50	9	2	12	12.50	5	2	12	12.50	141	0	3	3	2.08	3.14	539
30	22	15	8	31.17	4	2	12	14.66	9	2	6	30.66	4	2	12	12.50	9	2	12	12.50	5	2	12	12.50	143	0	3	3	2.25	4.00	544
40	28	18	8	31.67	4	2	12	14.66	9	2	6	31.16	4	2	12	12.50	6	4	6	12.50	6	2	12	12.50	143	0	3	3	2.5	4.88	549
50	32	20	8	32.00	4	2	12	14.66	9	2	6	31.50	4	2	12	12.50	6	4	6	12.50	7	2	12	12.50	145	0	3	3	2.66	5.48	566
60	36	22	8	32.33	4	2	12	14.66	9	2	6	31.83	4	2	12	12.50	8	2	12	12.50	8	2	12	12.50	145	0	3	3	2.83	6.08	576

Note: Maximum fill height 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 = 5 Spacing = 12 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. = 1 Space = 12 in. Length = 1.66 ft.
 Bars EWF Size = 4 No. = 2 Spacing = 12 in.

NOTE: FOR DESCRIPTIONS OF BOX DIMENSIONS AND REINFORCING BAR DESIGNATIONS SEE STANDARD DRAWING NO. STD-15-4.