

CONST. NO.			
PROJECT NO.	YEAR	SHEET NO.	
2010			
REVISIONS			
NO.	DATE	BY	BRIEF DESCRIPTION

3 @ 10 x 7 REINFORCED CONCRETE SLAB BRIDGE																																
Fill Height ft.	Dimensions				Bars TST				Bars TSB				Bars EWE				Bars EWI				Bars IW				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.	No.	No.	No.	Length ft.	Length ft.
No Fill	11.5	8	8	32.67	6	2	6	32.17	6	2	6	32.17	4	2	12	5.50	5	2	12	5.50	4	4	12	5.50	84	30	4	4	1.67	1.67	1.98	436
3	13	8	8	32.67	9	1	12	32.17	6	2	6	32.17	4	2	12	5.50	5	2	12	5.50	4	4	12	5.50	84	30	4	4	1.67	1.67	2.08	449
5	12	8	8	32.67	6	2	6	32.17	6	2	6	32.17	4	2	12	5.50	5	2	12	5.50	4	4	12	5.50	116	0	4	4	1.67	1.67	1.98	426
10	13	8	8	32.67	6	2	6	32.17	5	2	6	32.17	4	2	12	5.50	5	2	12	5.50	4	4	12	5.50	116	0	4	4	1.67	1.67	2.08	397
20	12	8	8	32.67	4	3	12	10.66	8	2	6	32.17	4	2	12	5.50	5	2	12	5.50	4	4	12	5.50	116	0	4	4	1.67	1.67	1.98	426
30	18	8	8	32.67	4	3	12	10.66	7	2	6	32.17	4	2	12	5.50	6	2	12	5.50	4	4	12	5.50	116	0	4	4	1.67	1.67	2.58	391
40	22	9	8	32.83	4	3	12	10.66	7	2	6	32.33	4	2	12	5.50	5	2	12	5.50	5	4	12	5.50	116	0	4	4	1.75	1.67	3.04	395
50	25	10	8	33.00	4	3	12	10.66	8	2	6	32.50	4	2	12	5.50	5	2	12	5.50	4	8	6	5.50	118	0	4	4	1.83	1.67	3.40	444
60	29	11	8	33.17	4	3	12	10.66	8	2	6	32.67	4	2	12	5.50	5	2	12	5.50	4	8	6	5.50	118	0	4	4	1.92	1.67	3.87	445

3 @ 10 x 8 REINFORCED CONCRETE SLAB BRIDGE																																
Fill Height ft.	Dimensions				Bars TST				Bars TSB				Bars EWE				Bars EWI				Bars IW				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.	No.	No.	No.	Length ft.	Length ft.
No Fill	11.5	8	8	32.67	6	2	6	32.17	6	2	6	32.17	4	2	12	6.50	5	2	12	6.50	4	4	12	6.50	92	30	4	4	1.67	1.67	2.00	448
3	13	8	8	32.67	9	1	12	32.17	6	2	6	32.17	4	2	12	6.50	5	2	12	6.50	4	4	12	6.50	92	30	4	4	1.67	1.67	2.15	460
5	12	8	8	32.67	6	2	6	32.17	6	2	6	32.17	4	2	12	6.50	5	2	12	6.50	4	4	12	6.50	124	0	4	4	1.67	1.67	2.05	438
10	13	8	8	32.67	6	2	6	32.17	5	2	6	32.17	4	2	12	6.50	6	2	12	6.50	4	4	12	6.50	124	0	4	4	1.67	1.67	2.15	414
20	12	8	8	32.67	4	3	12	10.66	8	2	6	32.17	4	2	12	6.50	5	4	6	6.50	4	4	12	6.50	124	0	4	4	1.67	1.67	2.05	451
30	18	9	8	32.83	4	3	12	10.66	7	2	6	32.33	4	2	12	6.50	6	2	12	6.50	4	4	12	6.50	124	0	4	4	1.75	1.67	2.72	404
40	22	10	8	33.00	4	3	12	10.66	7	2	6	32.50	4	2	12	6.50	5	4	6	6.50	5	4	12	6.50	126	0	4	4	1.83	1.67	3.18	423
50	25	11	8	33.17	4	3	12	10.66	8	2	6	32.67	4	2	12	6.50	6	2	12	6.50	4	8	6	6.50	126	0	4	4	1.92	1.67	3.55	465
60	29	12	8	33.33	4	3	12	10.66	8	2	6	32.83	4	2	12	6.50	6	2	12	6.50	4	8	6	6.50	126	0	4	4	2.00	1.67	4.02	466

3 @ 10 x 9 REINFORCED CONCRETE SLAB BRIDGE																																
Fill Height ft.	Dimensions				Bars TST				Bars TSB				Bars EWE				Bars EWI				Bars IW				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.	No.	No.	No.	Length ft.	Length ft.
No Fill	11.5	8	8	32.67	6	2	6	32.17	6	2	6	32.17	4	2	12	7.50	5	2	12	7.50	4	4	12	7.50	100	30	4	4	1.67	1.67	2.08	459
3	13	8	8	32.67	9	1	12	32.17	6	2	6	32.17	4	2	12	7.50	5	2	12	7.50	4	4	12	7.50	100	30	4	4	1.67	1.67	2.23	472
5	12	8	8	32.67	6	2	6	32.17	6	2	6	32.17	4	2	12	7.50	6	2	12	7.50	4	4	12	7.50	132	0	4	4	1.67	1.67	2.13	456
10	13	8	8	32.67	6	2	6	32.17	5	2	6	32.17	4	2	12	7.50	6	2	12	7.50	4	4	12	7.50	132	0	4	4	1.67	1.67	2.23	426
20	12	8	8	32.67	4	3	12	10.67	8	2	6	32.17	4	2	12	7.50	6	4	6	7.50	4	4	12	7.50	132	0	4	4	1.67	1.67	2.13	478
30	18	10	8	33.00	4	3	12	10.67	7	2	6	32.50	4	2	12	7.50	6	4	6	7.50	4	4	12	7.50	134	0	4	4	1.75	1.67	2.86	441
40	22	11	8	33.17	4	3	12	10.67	7	2	6	32.67	4	2	12	7.50	6	4	6	7.50	5	4	12	7.50	134	0	4	4	1.92	1.67	3.34	453
50	25	13	8	33.50	4	3	12	10.67	8	2	6	33.00	4	2	12	7.50	5	4	6	7.50	4	8	6	7.50	134	0	4	4	2.08	1.67	3.78	491
60	29	14	8	33.67	4	3	12	10.67	8	2	6	33.17	4	2	12	7.50	5	4	6	7.50	4	8	6	7.50	134	0	4	4	2.17	1.67	4.26	492

3 @ 10 x 10 REINFORCED CONCRETE SLAB BRIDGE																																
Fill Height ft.	Dimensions				Bars TST				Bars TSB				Bars EWE				Bars EWI				Bars IW				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.	No.	No.	No.	Length ft.	Length ft.
No Fill	11.5	8	8	32.67	6	2	6	32.17	6	2	6	32.17	4	2	12	8.50	5	2	12	8.50	4	4	12	8.50	108	30	4	4	1.67	1.67	2.15	470
3	13	8	8	32.67	9	1	12	32.17	6	2	6	32.17	4	2	12	8.50	5	2	12	8.50	4	4	12	8.50	108	30	4	4	1.67	1.67	2.30	483
5	12	8	8	32.67	6	2	6	32.17	6	2	6	32.17	4	2	12	8.50	6	2	12	8.50	4	4	12	8.50	140	0	4	4	1.67	1.67	2.20	468
10	13	8	8	32.67	6	2	6	32.17	5	2	6	32.17	4	2	12	8.50	6	4	6	8.50	4	4	12	8.50	140	0	4	4	1.67	1.67	2.30	464
20	12	9	8	32.83	4	3	12	10.67	8	2	6	32.33	4	2	12	8.50	6	4	6	8.50	4	4	12	8.50	140	0	4	4	1.75	1.67	2.27	495
30	18	11	8	33.17	4	3	12	10.67	7	2	6	32.67	4	2	12	8.50	6	4	6	8.50	4	4	12	8.50	142	0	4	4	1.92	1.67	3.02	457
40	22	13	8	33.50	4	3	12	10.67	7	2	6	33.00	4	2	12	8.50	6	4	6	8.50	5	4	12	8.50	142	0	4	4	2.08	1.67	3.57	472
50	25	14	8	33.67	4	3	12	10.67	8	2	6	33.17	4	2	12	8.50	6	4	6	8.50	4	8	6	8.50	142	0	4	4	2.17	1.67	3.96	524
60	29	16	8	34.00	4	3	12	10.67	8	2	6	33.50	4	2	12	8.50	6	4	6	8.50	6	4	12	8.50	144	0	4	4	2.33	1.67	4.53	533

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 height of fill above the top slab is less than 1 foot, the top mat of reinforcing in the top slab shall be constructed with 2-1/2 inches of concrete cover.

The following bar information applies to all fill cases in the tables 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.