

CONST. NO.		
PROJECT NO.	YEAR	SHEET NO.
	2010	

REVISIONS			
NO.	DATE	BY	BRIEF DESCRIPTION

3 @ 14 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 Fill	11.5	8	8	44.67	7	2	6	44.17	7	2	6	44.17	4	2	12	6.50	5	4	6	6.50	4	4	12	6.50	104	42	4	4	1.67	1.67	2.43	649
3	14	8	8	44.67	7	2	6	44.17	7	2	6	44.17	4	2	12	6.50	5	4	6	6.50	4	4	12	6.50	104	42	4	4	1.67	1.67	2.77	636
5	14	8	8	44.67	10	1	12	44.17	6	2	6	44.17	4	2	12	6.50	5	2	12	6.50	4	4	12	6.50	148	0	4	4	1.67	1.67	2.77	583
10	16	8	8	44.67	7	2	6	44.17	6	2	6	44.17	4	2	12	6.50	5	4	6	6.50	4	4	12	6.50	148	0	4	4	1.67	1.67	3.05	574
20	17	8	8	44.67	4	3	12	14.66	9	2	6	44.17	4	2	12	6.50	6	4	6	6.50	4	4	12	6.50	148	0	4	4	1.67	1.67	3.19	596
30	23	9	8	44.83	4	3	12	14.66	9	2	6	44.33	4	2	12	6.50	6	2	12	6.50	5	4	12	6.50	148	0	4	4	1.75	1.67	4.07	607
40	29	10	8	45.00	4	3	12	14.66	9	2	6	44.50	4	2	12	6.50	5	2	12	6.50	6	4	12	6.50	148	0	4	4	1.83	1.67	4.97	614
50	33	11	8	45.17	4	3	12	14.66	9	2	6	44.67	4	2	12	6.50	5	2	12	6.50	5	8	6	6.50	150	0	4	4	1.92	1.67	5.59	632
60	37	12	8	45.33	4	3	12	14.66	9	2	6	44.83	4	2	12	6.50	5	2	12	6.50	6	8	6	6.50	150	0	4	4	2.00	1.67	6.22	657

3 @ 14 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 Fill	11.5	8	8	44.67	7	2	6	44.17	7	2	6	44.17	4	2	12	7.50	5	2	12	7.50	4	4	12	7.50	112	42	4	4	1.67	1.67	2.50	647
3	14	8	8	44.67	7	2	6	44.17	7	2	6	44.17	4	2	12	7.50	5	2	12	7.50	4	4	12	7.50	112	42	4	4	1.67	1.67	2.85	647
5	14	8	8	44.67	10	1	12	44.17	6	2	6	44.17	4	2	12	7.50	5	2	12	7.50	4	4	12	7.50	156	0	4	4	1.67	1.67	2.85	595
10	16	8	8	44.67	7	2	6	44.17	6	2	6	44.17	4	2	12	7.50	5	4	6	7.50	4	4	12	7.50	156	0	4	4	1.67	1.67	3.12	601
20	17	8	8	44.67	4	3	12	14.66	9	2	6	44.17	4	2	12	7.50	6	4	6	7.50	4	4	12	7.50	156	0	4	4	1.67	1.67	3.26	631
30	23	10	8	45.00	4	3	12	14.66	9	2	6	44.50	4	2	12	7.50	5	4	6	7.50	5	4	12	7.50	158	0	4	4	1.83	1.67	4.22	632
40	29	11	8	45.17	4	3	12	14.66	9	2	6	44.67	4	2	12	7.50	6	2	12	7.50	6	4	12	7.50	158	0	4	4	1.92	1.67	5.13	639
50	33	12	8	45.33	4	3	12	14.66	9	2	6	44.83	4	2	12	7.50	6	2	12	7.50	7	4	12	7.50	158	0	4	4	2.00	1.67	5.76	656
60	37	13	8	45.50	4	3	12	14.66	9	2	6	45.00	4	2	12	7.50	5	2	12	7.50	6	8	6	7.50	158	0	4	4	2.08	1.67	6.39	679

3 @ 14 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 Fill	11.5	8	8	44.67	7	2	6	44.17	7	2	6	44.17	4	2	12	8.50	5	2	12	8.50	4	4	12	8.50	120	42	4	4	1.67	1.67	2.58	659
3	14	8	8	44.67	7	2	6	44.17	7	2	6	44.17	4	2	12	8.50	5	2	12	8.50	4	4	12	8.50	120	42	4	4	1.67	1.67	2.92	659
5	14	8	8	44.67	10	1	12	44.17	6	2	6	44.17	4	2	12	8.50	6	2	12	8.50	4	4	12	8.50	164	0	4	4	1.67	1.67	2.92	614
10	16	8	8	44.67	7	2	6	44.17	6	2	6	44.17	4	2	12	8.50	7	2	12	8.50	4	4	12	8.50	164	0	4	4	1.67	1.67	3.20	614
20	17	9	8	44.83	4	3	12	14.66	9	2	6	44.33	4	2	12	8.50	6	4	6	8.50	4	4	12	8.50	164	0	4	4	1.75	1.67	3.40	648
30	23	11	8	45.17	4	3	12	14.66	9	2	6	44.67	4	2	12	8.50	6	4	6	8.50	5	4	12	8.50	166	0	4	4	1.92	1.67	4.38	664
40	29	12	8	45.33	4	3	12	14.66	9	2	6	44.83	4	2	12	8.50	6	4	6	8.50	6	4	12	8.50	166	0	4	4	2.00	1.67	5.30	681
50	33	14	8	45.67	4	3	12	14.66	9	2	6	45.17	4	2	12	8.50	5	4	6	8.50	7	4	12	8.50	166	0	4	4	2.17	1.67	6.01	686
60	37	15	8	45.83	4	3	12	14.66	9	2	6	45.33	4	2	12	8.50	5	4	6	8.50	6	8	6	8.50	166	0	4	4	2.25	1.67	6.66	720

3 @ 14 x 11 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 Fill	11.5	8	8	44.67	7	2	6	44.17	7	2	6	44.17	4	2	12	9.50	5	2	12	9.50	4	4	12	9.50	128	42	4	4	1.67	1.67	2.65	670
3	14	8	8	44.67	7	2	6	44.17	7	2	6	44.17	4	2	12	9.50	6	2	12	9.50	4	4	12	9.50	128	42	4	4	1.67	1.67	2.99	679
5	14	8	8	44.67	10	1	12	44.17	6	2	6	44.17	4	2	12	9.50	5	4	6	9.50	4	4	12	9.50	172	0	4	4	1.67	1.67	2.99	637
10	16	8	8	44.67	7	2	6	44.17	6	2	6	44.17	4	2	12	9.50	7	4	6	9.50	4	4	12	9.50	172	0	4	4	1.67	1.67	3.27	666
20	17	10	8	45.00	4	3	12	14.66	9	2	6	44.50	4	2	12	9.50	6	4	6	9.50	4	4	12	9.50	174	0	4	4	1.83	1.67	3.56	666
30	23	12	8	45.33	4	3	12	14.66	9	2	6	44.83	4	2	12	9.50	6	4	6	9.50	5	4	12	9.50	174	0	4	4	2.00	1.67	4.55	682
40	29	14	8	45.67	4	3	12	14.66	9	2	6	45.17	4	2	12	9.50	6	4	6	9.50	6	4	12	9.50	174	0	4	4	2.17	1.67	5.56	702
50	33	15	8	45.83	4	3	12	14.66	9	2	6	45.33	4	2	12	9.50	6	4	6	9.50	7	4	12	9.50	174	0	4	4	2.25	1.67	6.21	724
60	37	17	8	46.17	4	3	12	14.66	9	2	6	45.67	4	2	12	9.50	6	4	6	9.50	6	8	6	9.50	176	0	4	4	2.42	1.67	6.95	764

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 =