

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

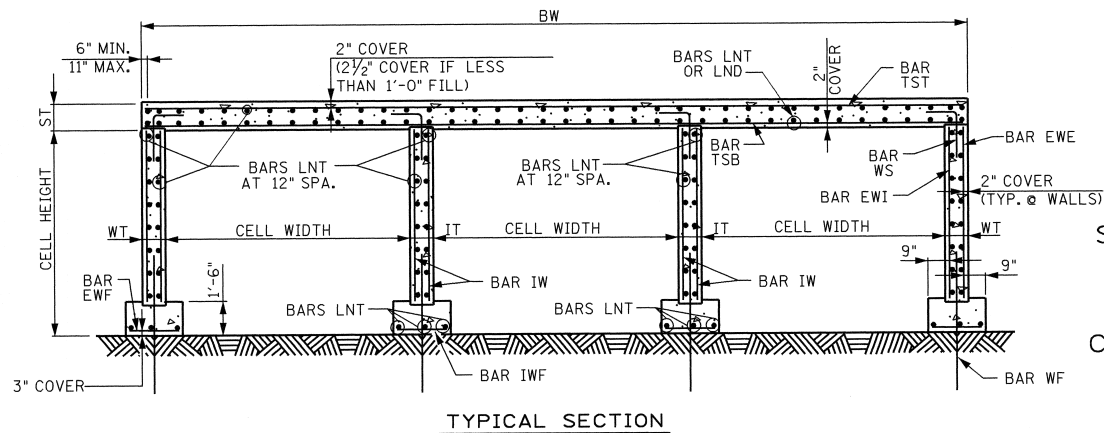
3 @ 14 x 12 REINFORCED CONCRETE SLAB BRIDGE																																	
Fill Height ft.	Dimensions				Bars TST				Bars TSB				Bars EWE				Bars EWI				Bars IW				Bars LNT	Bars LND	Bars WS	Bars WF	Bars EWF	Bars IWF	Concrete CY/LF	Reinf. Steel LB/LF	
	ST in.	WT in.	IT in.	BW ft.	Size	No.	Spacing in.	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.
Continuous	No Fill	11.5	8	8	44.67	7	2	6	44.17	7	2	6	44.17	4	2	12	10.50	6	2	12	10.50	4	4	12	10.50	136	42	4	4	1.67	1.67	2.72	691
	3	14	8	8	44.67	7	2	6	44.17	7	2	6	44.17	4	2	12	10.50	5	4	6	10.50	4	4	12	10.50	136	42	4	4	1.67	1.67	3.07	704
	5	14	8	8	44.67	10	1	12	44.17	6	2	6	44.17	4	2	12	10.50	6	4	6	10.50	4	4	12	10.50	180	0	4	4	1.67	1.67	3.07	670
	10	16	9	8	44.83	7	2	6	44.33	6	2	6	44.33	4	2	12	10.50	7	4	6	10.50	4	4	12	10.50	180	0	4	4	1.75	1.67	3.43	685
Moment Break	20	17	11	8	45.17	4	3	12	14.66	9	2	6	44.67	4	2	12	10.50	7	4	6	10.50	4	4	12	10.50	182	0	4	4	1.92	1.67	3.73	705
	30	23	13	8	45.50	4	3	12	14.66	9	2	6	45.00	4	2	12	10.50	7	4	6	10.50	5	4	12	10.50	182	0	4	4	2.08	1.67	4.74	723
	40	29	15	8	45.83	4	3	12	14.66	9	2	6	45.33	4	2	12	10.50	7	4	6	10.50	6	4	12	10.50	182	0	4	4	2.25	1.67	5.76	745
	50	33	17	8	46.17	4	3	12	14.66	9	2	6	45.67	4	2	12	10.50	7	4	6	10.50	7	4	12	10.50	184	0	4	4	2.42	1.67	6.51	771
	60	37	18	8	46.33	4	3	12	14.66	9	2	6	45.83	4	2	12	10.50	6	4	6	10.50	6	8	6	10.50	184	0	4	4	2.50	1.67	7.17	790

3 @ 14 x 13 REINFORCED CONCRETE SLAB BRIDGE																																	
Fill Height ft.	Dimensions				Bars TST				Bars TSB				Bars EWE				Bars EWI				Bars IW				Bars LNT	Bars LND	Bars WS	Bars WF	Bars EWF	Bars IWF	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.
Continuous	No Fill	11.5	8	8	44.67	7	2	6	44.17	7	2	6	44.17	4	2	12	11.50	5	4	6	11.50	4	4	12	11.50	144	42	4	4	1.67	1.67	2.80	717
	3	14	8	8	44.67	7	2	6	44.17	7	2	6	44.17	4	2	12	11.50	6	4	6	11.50	5	4	12	11.50	144	42	4	4	1.67	1.67	3.14	755
	5	14	8	8	44.67	10	1	12	44.17	6	2	6	44.17	4	2	12	11.50	7	4	6	11.50	5	4	12	11.50	188	0	4	4	1.67	1.67	3.14	728
	10	16	9	8	44.83	7	2	6	44.33	6	2	6	44.33	4	2	12	11.50	8	4	6	11.50	5	4	12	11.50	188	0	4	4	1.75	1.67	3.51	748
Moment Break	20	17	12	8	45.33	4	3	12	14.66	9	2	6	44.83	4	2	12	11.50	7	4	6	11.50	5	4	12	11.50	190	0	4	4	2.00	1.67	3.91	741
	30	23	14	8	45.67	4	3	12	14.66	9	2	6	45.17	4	2	12	11.50	7	4	6	11.50	5	4	12	11.50	190	0	4	4	2.17	1.67	4.94	743
	40	29	16	8	46.00	4	3	12	14.66	9	2	6	45.50	4	2	12	11.50	7	4	6	11.50	6	4	12	11.50	192	0	4	4	2.33	1.67	5.97	768
	50	33	18	9	46.50	4	3	12	14.66	9	2	6	46.00	4	2	12	11.50	7	4	6	11.50	6	4	12	11.50	192	0	4	4	2.50	1.75	6.79	772
	60	37	20	9	46.83	4	3	12	14.66	9	2	6	46.33	4	2	12	11.50	7	4	6	11.50	5	8	6	11.50	192	0	4	4	2.67	1.75	7.56	801

3 @ 14 x 14 REINFORCED CONCRETE SLAB BRIDGE																																	
Fill Height ft.	Dimensions				Bars TST				Bars TSB				Bars EWE				Bars EWI				Bars IW				Bars LNT	Bars LND	Bars WS	Bars WF	Bars EWF	Bars IWF	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.
Continuous	No Fill	11.5	8	8	44.67	7	2	6	44.17	7	2	6	44.17	4	2	12	12.50	6	4	6	12.50	5	4	12	12.50	152	42	4	4	1.67	1.67	2.87	772
	3	14	8	8	44.67	7	2	6	44.17	7	2	6	44.17	4	2	12	12.50	7	4	6	12.50	5	4	12	12.50	152	42	4	4	1.67	1.67	3.22	799
	5	14	9	8	44.83	10	1	12	44.33	6	2	6	44.33	4	2	12	12.50	7	4	6	12.50	5	4	12	12.50	196	0	4	4	1.75	1.67	3.31	748
	10	16	10	8	45.00	7	2	6	44.50	6	2	6	44.50	4	2	12	12.50	8	4	6	12.50	5	4	12	12.50	198	0	4	4	1.83	1.67	3.68	772
Moment Break	20	17	13	8	45.50	4	3	12	14.66	9	2	6	45.00	4	2	12	12.50	8	4	6	12.50	5	4	12	12.50	198	0	4	4	2.08	1.67	4.11	792
	30	23	15	8	45.83	4	3	12	14.66	9	2	6	45.33	4	2	12	12.50	8	4	6	12.50	5	4	12	12.50	198	0	4	4	2.25	1.67	5.15	795
	40	29	18	8	46.33	4	3	12	14.66	9	2	6	45.83	4	2	12	12.50	7	4	6	12.50	6	4	12	12.50	200	0	4	4	2.50	1.67	6.30	792
	50	33	20	9	46.83	4	3	12	14.66	9	2	6	46.33	4	2	12	12.50	7	4	6	12.50	6	4	12	12.50	200	0	4	4	2.67	1.75	7.14	795
	60	37	22	9	47.17	4	3	12	14.66	9	2	6	46.67	4	2	12	12.50	7	4	6	12.50	5	8	6	12.50	202	0	4	4	2.83	1.75	7.93	828

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.
 Bars IWF Size = 4 No. = 2 Spacing = 12 in.
 Bars EWF Size = 4 No. = 2 Spacing = 12 in.



NOTE: FOR DESCRIPTIONS OF BOX DIMENSIONS AND REINFORCING BAR DESIGNATIONS SEE STANDARD DRAWING NO. STD-17-5.

STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION
 STANDARD REINFORCED CONCRETE
 SLAB BRIDGE
 INTERIOR SECTION
 SPANS: 3 BARRELS AT 14'-0"
 CLEAR HEIGHTS 12'-0" THRU 14'-0"
 0' THRU 60' FILL
 2010

DESIGNED BY	RLI/ALP	DATE	12-09
DRAWN BY	KEVIN MARTINKO	DATE	1-10
SUPERVISED BY	EPW/RLC	DATE	12-09
CHECKED BY	RLI/ALP	DATE	2-10

CORRECT *Edward P. Wasserman*
 ENGINEER OF STRUCTURES