

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

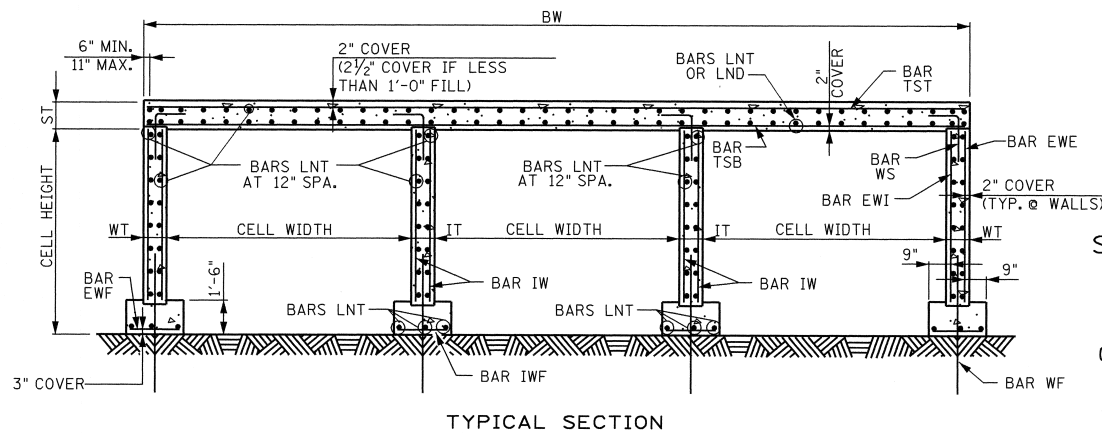
3 @ 8 x 6 REINFORCED CONCRETE SLAB BRIDGE																																	
Fill Height ft.	Dimensions				Bars TST				Bars TSB				Bars EWE				Bars EWI				Bars IW		Bars LNT	Bars LND	Bars WS	Bars WF	Bars EWF	Bars IWF	Concrete CY/LF	Reinf. Steel LB/LF			
	ST in.	WT in.	IT in.	BW ft.	Size	No.	Spacing in.	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.	No.	No.	No.	Length ft.	Length ft.			
Continuous	No Fill	10.5	8	8	26.67	6	2	6	26.17	6	2	6	26.17	4	2	12	4.50	5	2	12	4.50	4	4	12	4.50	70	48	4	4	1.67	1.67	1.56	403
	3	12	8	8	26.67	9	1	12	26.17	7	2	6	26.17	4	2	12	4.50	5	2	12	4.50	4	4	12	4.50	70	48	4	4	1.67	1.67	1.68	442
	5	11	8	8	26.67	7	1	12	26.17	5	2	6	26.17	4	2	12	4.50	5	2	12	4.50	4	4	12	4.50	96	0	4	4	1.67	1.67	1.60	322
	10	11	8	8	26.67	5	2	6	26.17	5	2	6	26.17	4	2	12	4.50	5	2	12	4.50	4	4	12	4.50	96	0	4	4	1.67	1.67	1.60	323
Moment Break	20	10	8	8	26.67	4	3	12	8.66	7	2	6	26.17	4	2	12	4.50	5	2	12	4.50	4	4	12	4.50	96	0	4	4	1.67	1.67	1.52	338
	30	14	8	8	26.67	4	3	12	8.66	7	2	6	26.17	4	2	12	4.50	5	2	12	4.50	4	4	12	4.50	96	0	4	4	1.67	1.67	1.85	338
	40	18	8	8	26.67	4	3	12	8.66	7	2	6	26.17	4	2	12	4.50	5	2	12	4.50	5	4	12	4.50	96	0	4	4	1.67	1.67	2.18	345
	50	21	9	8	26.83	4	3	12	8.66	7	2	6	26.33	4	2	12	4.50	5	2	12	4.50	5	4	12	4.50	96	0	4	4	1.75	1.67	2.47	345
	60	24	9	8	26.83	4	3	12	8.66	7	2	6	26.33	4	2	12	4.50	5	2	12	4.50	5	8	6	4.50	96	0	4	4	1.75	1.67	2.72	351

3 @ 8 x 7 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.	No.	No.	No.	Length ft.	Length ft.			
Continuous	No Fill	10.5	8	8	26.67	6	2	6	26.17	6	2	6	26.17	4	2	12	5.50	5	2	12	5.50	4	4	12	5.50	78	48	4	4	1.67	1.67	1.63	415
	3	12	8	8	26.67	9	1	12	26.17	7	2	6	26.17	4	2	12	5.50	5	2	12	5.50	4	4	12	5.50	78	48	4	4	1.67	1.67	1.76	454
	5	11	8	8	26.67	7	1	12	26.17	5	2	6	26.17	4	2	12	5.50	5	2	12	5.50	4	4	12	5.50	104	0	4	4	1.67	1.67	1.67	333
	10	11	8	8	26.67	5	2	6	26.17	5	2	6	26.17	4	2	12	5.50	5	2	12	5.50	4	4	12	5.50	104	0	4	4	1.67	1.67	1.67	334
Moment Break	20	10	8	8	26.67	4	3	12	8.66	7	2	6	26.17	4	2	12	5.50	5	2	12	5.50	4	4	12	5.50	104	0	4	4	1.67	1.67	1.59	349
	30	14	8	8	26.67	4	3	12	8.66	7	2	6	26.17	4	2	12	5.50	6	2	12	5.50	4	4	12	5.50	104	0	4	4	1.67	1.67	1.92	354
	40	18	9	8	26.83	4	3	12	8.66	7	2	6	26.33	4	2	12	5.50	6	2	12	5.50	5	4	12	5.50	104	0	4	4	1.75	1.67	2.30	363
	50	21	10	8	27.00	4	3	12	8.66	7	2	6	26.50	4	2	12	5.50	5	2	12	5.50	5	4	12	5.50	106	0	4	4	1.83	1.67	2.60	360
	60	24	11	8	27.17	4	3	12	8.66	7	2	6	26.67	4	2	12	5.50	5	2	12	5.50	4	8	6	5.50	106	0	4	4	1.92	1.67	2.91	368

3 @ 8 x 8 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.	No.	No.	No.	Length ft.	Length ft.			
Continuous	No Fill	10.5	8	8	26.67	6	2	6	26.17	6	2	6	26.17	4	2	12	6.50	5	2	12	6.50	4	4	12	6.50	86	48	4	4	1.67	1.67	1.71	426
	3	12	8	8	26.67	9	1	12	26.17	7	2	6	26.17	4	2	12	6.50	5	2	12	6.50	4	4	12	6.50	86	48	4	4	1.67	1.67	1.83	465
	5	11	8	8	26.67	7	1	12	26.17	5	2	6	26.17	4	2	12	6.50	5	2	12	6.50	4	4	12	6.50	112	0	4	4	1.67	1.67	1.75	344
	10	11	8	8	26.67	5	2	6	26.17	5	2	6	26.17	4	2	12	6.50	6	2	12	6.50	4	4	12	6.50	112	0	4	4	1.67	1.67	1.75	351
Moment Break	20	10	8	8	26.67	4	3	12	8.66	7	2	6	26.17	4	2	12	6.50	5	4	6	6.50	4	4	12	6.50	112	0	4	4	1.67	1.67	1.67	374
	30	14	9	8	26.83	4	3	12	8.66	7	2	6	26.33	4	2	12	6.50	5	4	6	6.50	4	4	12	6.50	112	0	4	4	1.75	1.67	2.05	375
	40	18	10	8	27.00	4	3	12	8.66	7	2	6	26.50	4	2	12	6.50	5	4	6	6.50	5	4	12	6.50	114	0	4	4	1.83	1.67	2.44	387
	50	21	11	8	27.17	4	3	12	8.66	7	2	6	26.67	4	2	12	6.50	5	4	6	6.50	5	4	12	6.50	114	0	4	4	1.92	1.67	2.75	388
	60	24	13	8	27.50	4	3	12	8.66	7	2	6	27.00	4	2	12	6.50	6	2	12	6.50	4	8	6	6.50	114	0	4	4	1.92	1.67	3.13	389

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 = 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 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 8'-0"
 CLEAR HEIGHTS 6'-0" THRU 8'-0"
 0' THRU 60' FILL
 2010

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

CORRECT *Edward P. Wasserman*
 ENGINEER OF STRUCTURES