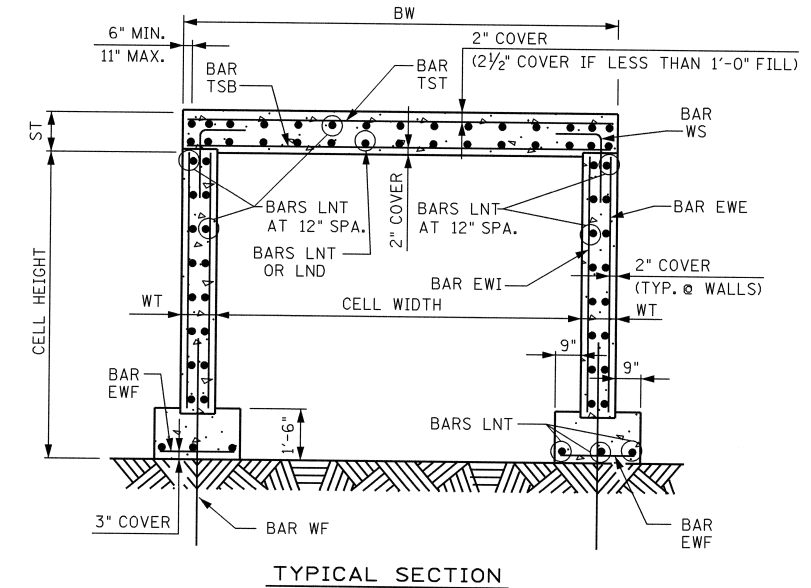


CONST. NO.			
PROJECT NO.	YEAR	SHEET NO.	
	2010		
REVISIONS			
NO.	DATE	BY	BRIEF DESCRIPTION

1 @ 14 x 12 REINFORCED CONCRETE SLAB BRIDGE																										
Fill Height ft.	Dimensions			Bars TST				Bars TSB				Bars EWE				Bars EWI				Bars LNT	Bars LND	Bars WS	Bars WF	Bars EWF	Concrete CY/LF	Reinf. Steel LB/LF
	ST in.	WT 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.	No.	No.	No.	No.	Length ft.		
No Fill	10.5	8	15.33	4	1	12	14.83	9	2	6	14.83	4	2	12	10.50	6	2	12	10.50	61	28	2	2	1.67	1.26	287
3	13	8	15.33	4	1	12	14.83	8	2	6	14.83	4	2	12	10.50	6	2	12	10.50	61	28	2	2	1.67	1.37	266
5	12	8	15.33	4	1	12	14.83	8	2	6	14.83	4	2	12	10.50	6	4	6	10.50	76	0	2	2	1.67	1.33	278
10	14	9	15.50	4	1	12	15.00	8	2	6	15.00	4	2	12	10.50	7	4	6	10.50	76	0	2	2	1.75	1.50	302
20	17	11	15.83	4	1	12	15.33	9	2	6	15.33	4	2	12	10.50	7	4	6	10.50	76	0	2	2	1.92	1.81	326
30	23	13	16.17	4	1	12	15.67	9	2	6	15.67	4	2	12	10.50	7	4	6	10.50	78	0	2	2	2.08	2.28	331
40	29	15	16.50	4	1	12	16.00	9	2	6	16.00	4	2	12	10.50	7	4	6	10.50	78	0	2	2	2.25	2.75	333
50	33	17	16.83	4	1	12	16.33	9	2	6	16.33	4	2	12	10.50	7	4	6	10.50	78	0	2	2	2.42	3.14	336
60	37	18	17.00	4	1	12	16.50	9	2	6	16.50	4	2	12	10.50	6	4	6	10.50	80	0	2	2	2.50	3.44	316

1 @ 14 x 13 REINFORCED CONCRETE SLAB BRIDGE																										
Fill Height ft.	Dimensions			Bars TST				Bars TSB				Bars EWE				Bars EWI				Bars LNT	Bars LND	Bars WS	Bars WF	Bars EWF	Concrete CY/LF	Reinf. Steel LB/LF
	ST in.	WT 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.	No.	No.	No.	No.	Length ft.		
No Fill	10.5	8	15.33	4	1	12	14.83	9	2	6	14.83	4	2	12	11.50	5	4	6	11.50	65	28	2	2	1.67	1.31	308
3	13	8	15.33	4	1	12	14.83	8	2	6	14.83	4	2	12	11.50	6	4	6	11.50	65	28	2	2	1.67	1.42	307
5	12	8	15.33	4	1	12	14.83	8	2	6	14.83	4	2	12	11.50	7	4	6	11.50	80	0	2	2	1.67	1.38	313
10	14	9	15.50	4	1	12	15.00	8	2	6	15.00	4	2	12	11.50	8	4	6	11.50	80	0	2	2	1.75	1.56	343
20	17	12	16.00	4	1	12	15.50	9	2	6	15.50	4	2	12	11.50	7	4	6	11.50	82	0	2	2	2.00	1.97	341
30	23	14	16.33	4	1	12	15.83	9	2	6	15.83	4	2	12	11.50	7	4	6	11.50	82	0	2	2	2.17	2.45	344
40	29	16	16.67	4	1	12	16.17	9	2	6	16.17	4	2	12	11.50	7	4	6	11.50	82	0	2	2	2.33	2.94	347
50	33	18	17.00	4	1	12	16.50	9	2	6	16.50	4	2	12	11.50	7	4	6	11.50	84	0	2	2	2.50	3.34	351
60	37	20	17.33	4	1	12	16.83	9	2	6	16.83	4	2	12	11.50	7	4	6	11.50	84	0	2	2	2.67	3.75	354

1 @ 14 x 14 REINFORCED CONCRETE SLAB BRIDGE																										
Fill Height ft.	Dimensions			Bars TST				Bars TSB				Bars EWE				Bars EWI				Bars LNT	Bars LND	Bars WS	Bars WF	Bars EWF	Concrete CY/LF	Reinf. Steel LB/LF
	ST in.	WT 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.	No.	No.	No.	No.	Length ft.		
No Fill	10.5	8	15.33	4	1	12	14.83	9	2	6	14.83	4	2	12	12.50	6	4	6	12.50	69	28	2	2	1.67	1.35	328
3	13	8	15.33	4	1	12	14.83	8	2	6	14.83	4	2	12	12.50	7	4	6	12.50	69	28	2	2	1.67	1.47	334
5	12	9	15.50	4	1	12	15.00	8	2	6	15.00	4	2	12	12.50	7	4	6	12.50	84	0	2	2	1.75	1.52	326
10	14	10	15.67	4	1	12	15.17	8	2	6	15.17	4	2	12	12.50	8	4	6	12.50	84	0	2	2	1.83	1.71	359
20	17	13	16.17	4	1	12	15.67	9	2	6	15.67	4	2	12	12.50	8	4	6	12.50	86	0	2	2	2.08	2.14	386
30	23	15	16.50	4	1	12	16.00	9	2	6	16.00	4	2	12	12.50	8	4	6	12.50	86	0	2	2	2.25	2.63	389
40	29	18	17.00	4	1	12	16.50	9	2	6	16.50	4	2	12	12.50	7	4	6	12.50	88	0	2	2	2.50	3.24	363
50	33	20	17.33	4	1	12	16.83	9	2	6	16.83	4	2	12	12.50	7	4	6	12.50	88	0	2	2	2.67	3.66	366
60	37	22	17.67	4	1	12	17.17	9	2	6	17.17	4	2	12	12.50	7	4	6	12.50	88	0	2	2	2.83	4.09	368



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: 1 BARREL AT 14'-0"  
 CLEAR HEIGHTS 12'-0" THRU 14'-0"  
 0' THRU 60' FILL  
 2010

CORRECT *Edward P. Wasserman*  
 ENGINEER OF STRUCTURES

Note: Maximum fill height shown in the table 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 EWF Size = 4 No. = 2 Spacing = 12 in.

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