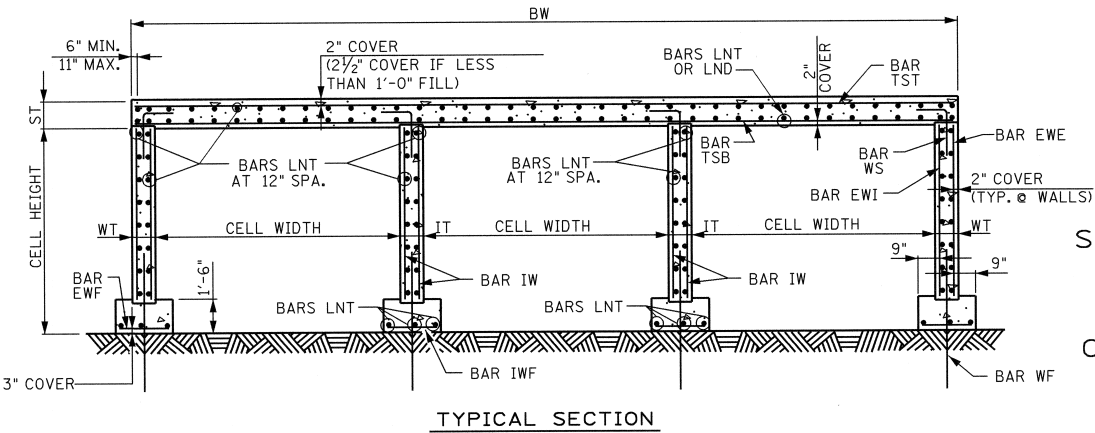


CONST. NO.			
PROJECT NO.	YEAR	SHEET NO.	
	2010		
REVISIONS			
NO.	DATE	BY	BRIEF DESCRIPTION

3 @ 12 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	11.5	8	8	38.67	7	2	6	38.17	7	2	6	38.17	4	2	12	5.50	5	2	12	5.50	4	4	12	5.50	90	72	4	4	1.67	1.67	2.14	576
	3	14	8	8	38.67	9	1	12	38.17	6	2	6	38.17	4	2	12	5.50	5	2	12	5.50	4	4	12	5.50	90	72	4	4	1.67	1.67	2.44	508
	5	13	8	8	38.67	7	2	6	38.17	6	2	6	38.17	4	2	12	5.50	5	2	12	5.50	4	4	12	5.50	128	0	4	4	1.67	1.67	2.32	512
	10	15	8	8	38.67	7	2	6	38.17	6	2	6	38.17	4	2	12	5.50	5	2	12	5.50	4	4	12	5.50	128	0	4	4	1.67	1.67	2.56	512
Moment Break	20	16	8	8	38.67	4	3	12	12.67	9	2	6	38.17	4	2	12	5.50	5	2	12	5.50	4	4	12	5.50	128	0	4	4	1.67	1.67	2.68	526
	30	21	8	8	38.67	4	3	12	12.67	8	2	6	38.17	4	2	12	5.50	5	2	12	5.50	5	4	12	5.50	128	0	4	4	1.67	1.67	3.27	478
	40	26	9	8	38.83	4	3	12	12.67	8	2	6	38.33	4	2	12	5.50	5	2	12	5.50	5	4	12	5.50	128	0	4	4	1.75	1.67	3.93	479
	50	31	10	8	39.00	4	3	12	12.67	8	2	6	38.50	4	2	12	5.50	5	2	12	5.50	4	8	6	5.50	130	0	4	4	1.83	1.67	4.59	488
	50	31	10	8	39.00	4	3	12	12.67	9	2	6	38.50	4	2	12	5.50	5	2	12	5.50	7	4	12	5.50	130	0	4	4	1.83	1.67	4.95	560
	60	34	10	8	39.00	4	3	12	12.67	9	2	6	38.50	4	2	12	5.50	5	2	12	5.50	7	4	12	5.50	130	0	4	4	1.83	1.67	4.95	560

3 @ 12 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	11.5	8	8	38.67	7	2	6	38.17	7	2	6	38.17	4	2	12	6.50	5	2	12	6.50	4	4	12	6.50	98	72	4	4	1.67	1.67	2.22	587
	3	14	8	8	38.67	9	1	12	38.17	6	2	6	38.17	4	2	12	6.50	5	2	12	6.50	4	4	12	6.50	98	72	4	4	1.67	1.67	2.51	520
	5	13	8	8	38.67	7	2	6	38.17	6	2	6	38.17	4	2	12	6.50	5	2	12	6.50	4	4	12	6.50	136	0	4	4	1.67	1.67	2.39	523
	10	15	8	8	38.67	7	2	6	38.17	6	2	6	38.17	4	2	12	6.50	6	2	12	6.50	4	4	12	6.50	136	0	4	4	1.67	1.67	2.63	529
Moment Break	20	16	8	8	38.67	4	3	12	12.67	9	2	6	38.17	4	2	12	6.50	6	2	12	6.50	4	4	12	6.50	136	0	4	4	1.67	1.67	2.75	543
	30	21	9	8	38.83	4	3	12	12.67	8	2	6	38.33	4	2	12	6.50	6	2	12	6.50	5	4	12	6.50	136	0	4	4	1.75	1.67	3.41	498
	40	26	10	8	39.00	4	3	12	12.67	8	2	6	38.50	4	2	12	6.50	6	2	12	6.50	5	4	12	6.50	138	0	4	4	1.83	1.67	4.07	501
	50	31	11	8	39.17	4	3	12	12.67	8	2	6	38.67	4	2	12	6.50	5	2	12	6.50	4	8	6	6.50	138	0	4	4	1.92	1.67	4.74	503
	50	31	11	8	39.17	4	3	12	12.67	8	2	6	38.67	4	2	12	6.50	5	2	12	6.50	4	8	6	6.50	138	0	4	4	1.92	1.67	4.74	503
	60	34	12	8	39.33	4	3	12	12.67	9	2	6	38.83	4	2	12	6.50	5	2	12	6.50	7	4	12	6.50	138	0	4	4	2.00	1.67	5.17	579

3 @ 12 x 9 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	11.5	8	8	38.67	7	2	6	38.17	7	2	6	38.17	4	2	12	7.50	5	2	12	7.50	4	4	12	7.50	106	72	4	4	1.67	1.67	2.29	599
	3	14	8	8	38.67	9	1	12	38.17	6	2	6	38.17	4	2	12	7.50	5	2	12	7.50	4	4	12	7.50	106	72	4	4	1.67	1.67	2.59	531
	5	13	8	8	38.67	7	2	6	38.17	6	2	6	38.17	4	2	12	7.50	6	2	12	7.50	4	4	12	7.50	144	0	4	4	1.67	1.67	2.47	541
	10	15	8	8	38.67	7	2	6	38.17	6	2	6	38.17	4	2	12	7.50	6	2	12	7.50	4	4	12	7.50	144	0	4	4	1.67	1.67	2.71	541
Moment Break	20	16	8	8	38.67	4	3	12	12.66	9	2	6	38.17	4	2	12	7.50	6	4	6	7.50	4	4	12	7.50	144	0	4	4	1.67	1.67	2.83	578
	30	21	10	8	39.00	4	3	12	12.66	8	2	6	38.50	4	2	12	7.50	5	4	6	7.50	5	4	12	7.50	146	0	4	4	1.83	1.67	3.56	523
	40	26	11	8	39.17	4	3	12	12.66	8	2	6	38.67	4	2	12	7.50	7	2	12	7.50	5	4	12	7.50	146	0	4	4	1.92	1.67	4.23	524
	50	31	13	8	39.50	4	3	12	12.66	8	2	6	39.00	4	2	12	7.50	6	2	12	7.50	4	8	6	7.50	146	0	4	4	2.08	1.67	4.97	526
	50	31	13	8	39.50	4	3	12	12.66	8	2	6	39.00	4	2	12	7.50	6	2	12	7.50	4	8	6	7.50	146	0	4	4	2.08	1.67	4.97	526
	60	34	14	8	39.67	4	3	12	12.66	9	2	6	39.17	4	2	12	7.50	6	2	12	7.50	7	4	12	7.50	146	0	4	4	2.17	1.67	5.41	606



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 12'-0"  
 CLEAR HEIGHTS 7'-0" THRU 9'-0"  
 0' THRU 60' FILL  
 2010

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 = 4 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.

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