

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

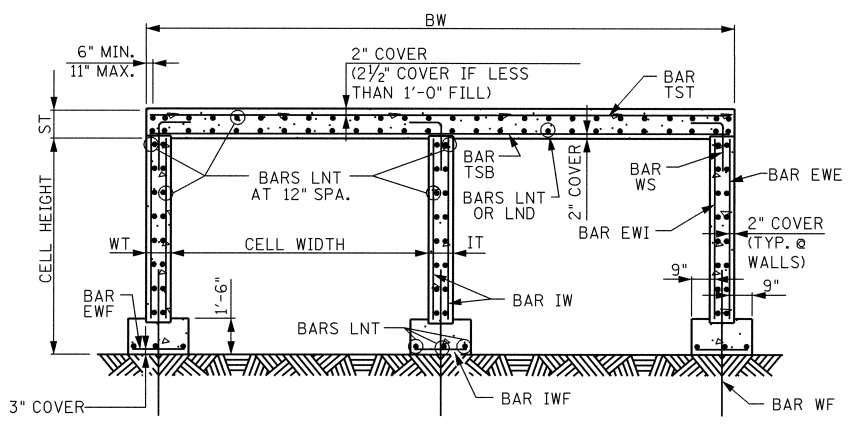
2 @ 18 x 9 REINFORCED CONCRETE SLAB BRIDGE																																				
Fill Height ft.	Dimensions				Bars TST				Bars TSB				Bars EWE				Bars EWI				Bars IW				Bars LNT	Bars LND	Bars WS	Bars WF	Bars EWF	Bars IWF	Concrete CY/LF	Reinf. Steel LB/LF				
	ST in.	WT in.	IT in.	BW ft.	Size	No.	Spacing 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.						
No Fill	12.5	8	8	38.00	7	2	6	37.50	8	2	6	37.50	4	2	12	7.50	5	2	12	7.50	4	2	12	7.50	4	2	12	7.50	89	72	3	3	1.67	1.67	2.38	588
3	15	8	8	38.00	11	1	12	37.50	7	2	6	37.50	4	2	12	7.50	5	2	12	7.50	4	2	12	7.50	4	2	12	7.50	89	72	3	3	1.67	1.67	2.68	587
5	16	8	8	38.00	8	2	6	37.50	7	2	6	37.50	4	2	12	7.50	5	2	12	7.50	4	2	12	7.50	4	2	12	7.50	127	0	3	3	1.67	1.67	2.79	566
10	20	8	8	38.00	9	2	6	37.50	7	2	6	37.50	4	2	12	7.50	6	2	12	7.50	4	2	12	7.50	4	2	12	7.50	127	0	3	3	1.67	1.67	3.26	627
20	20	8	8	38.00	4	2	12	18.66	11	2	6	37.50	4	2	12	7.50	5	4	6	7.50	5	2	12	7.50	127	0	3	3	1.67	1.67	3.26	657				
30	29	9	8	38.17	4	2	12	18.66	10	2	6	37.67	4	2	12	7.50	5	4	6	7.50	4	4	6	7.50	127	0	3	3	1.75	1.67	4.39	587				
40	36	11	8	38.50	4	2	12	18.66	10	2	6	38.00	4	2	12	7.50	5	2	12	7.50	7	2	12	7.50	127	0	3	3	1.92	1.67	5.36	585				
50	41	12	8	38.67	4	2	12	18.66	10	2	6	38.17	4	2	12	7.50	5	2	12	7.50	6	4	6	7.50	127	0	3	3	2.00	1.67	6.03	601				
60	46	13	9	38.92	4	2	12	18.66	10	2	6	38.42	4	2	12	7.50	5	2	12	7.50	6	4	6	7.50	127	0	3	3	2.08	1.75	6.75	603				

2 @ 18 x 10 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.						
No Fill	12.5	8	8	38.00	7	2	6	37.50	8	2	6	37.50	4	2	12	8.50	5	2	12	8.50	4	2	12	8.50	4	2	12	8.50	95	72	3	3	1.67	1.67	2.46	597
3	15	8	8	38.00	11	1	12	37.50	7	2	6	37.50	4	2	12	8.50	5	2	12	8.50	4	2	12	8.50	4	2	12	8.50	95	72	3	3	1.67	1.67	2.75	596
5	16	8	8	38.00	8	2	6	37.50	7	2	6	37.50	4	2	12	8.50	6	2	12	8.50	4	2	12	8.50	4	2	12	8.50	133	0	3	3	1.67	1.67	2.87	582
10	20	8	8	38.00	9	2	6	37.50	7	2	6	37.50	4	2	12	8.50	5	4	6	8.50	4	2	12	8.50	4	2	12	8.50	133	0	3	3	1.67	1.67	3.34	647
20	20	9	8	38.17	4	2	12	18.66	11	2	6	37.67	4	2	12	8.50	6	4	6	8.50	5	2	12	8.50	133	0	3	3	1.75	1.67	3.41	686				
30	29	11	8	38.50	4	2	12	18.66	10	2	6	38.00	4	2	12	8.50	5	4	6	8.50	4	4	6	8.50	133	0	3	3	1.92	1.67	4.62	602				
40	36	12	8	38.67	4	2	12	18.66	10	2	6	38.17	4	2	12	8.50	5	4	6	8.50	7	2	12	8.50	133	0	3	3	2.00	1.67	5.53	616				
50	41	13	8	38.83	4	2	12	18.66	10	2	6	38.33	4	2	12	8.50	6	2	12	8.50	6	4	6	8.50	133	0	3	3	2.08	1.67	6.21	624				
60	46	15	9	39.25	4	2	12	18.66	10	2	6	38.75	4	2	12	8.50	5	2	12	8.50	6	4	6	8.50	135	0	3	3	2.25	1.75	7.03	621				

2 @ 18 x 11 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.						
No Fill	12.5	8	8	38.00	7	2	6	37.50	8	2	6	37.50	4	2	12	9.50	5	2	12	9.50	4	2	12	9.50	4	2	12	9.50	101	72	3	3	1.67	1.67	2.53	606
3	15	8	8	38.00	11	1	12	37.50	7	2	6	37.50	4	2	12	9.50	6	2	12	9.50	4	2	12	9.50	4	2	12	9.50	101	72	3	3	1.67	1.67	2.82	613
5	16	8	8	38.00	8	2	6	37.50	7	2	6	37.50	4	2	12	9.50	5	4	6	9.50	4	2	12	9.50	4	2	12	9.50	139	0	3	3	1.67	1.67	2.94	603
10	20	8	8	38.00	9	2	6	37.50	7	2	6	37.50	4	2	12	9.50	7	4	6	9.50	4	2	12	9.50	4	2	12	9.50	139	0	3	3	1.67	1.67	3.41	696
20	20	10	8	38.33	4	2	12	18.66	11	2	6	37.83	4	2	12	9.50	6	4	6	9.50	5	2	12	9.50	139	0	3	3	1.83	1.67	3.57	701				
30	29	12	8	38.67	4	2	12	18.66	10	2	6	38.17	4	2	12	9.50	6	4	6	9.50	4	4	6	9.50	139	0	3	3	2.00	1.67	4.80	633				
40	36	13	8	38.83	4	2	12	18.66	10	2	6	38.33	4	2	12	9.50	6	4	6	9.50	7	2	12	9.50	139	0	3	3	2.08	1.67	5.72	648				
50	41	15	8	39.17	4	2	12	18.66	10	2	6	38.67	4	2	12	9.50	6	4	6	9.50	8	2	12	9.50	141	0	3	3	2.25	1.67	6.50	665				
60	46	16	9	39.42	4	2	12	18.66	10	2	6	38.92	4	2	12	9.50	5	4	6	9.50	6	4	6	9.50	141	0	3	3	2.33	1.75	7.24	656				

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 = 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. = 1 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: 2 BARRELS AT 18'-0"
 CLEAR HEIGHTS 9'-0" THRU 11'-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