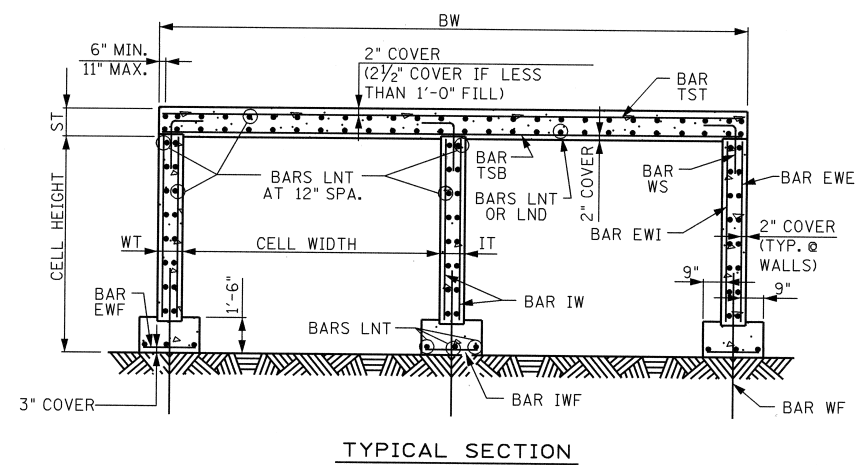


2 @ 16 x 6 REINFORCED CONCRETE SLAB BRIDGE																																	
Fill Height ft.	Dimensions				Bars TST				Bars TSB				Bars EWE				Bars EWI				Bars IW				Bars LNT	Bars LND	Bars WS	Bars WF	Bars EWF	Bars IWF	Concrete CY/LF	Reinf. Steel LB/LF	
	ST in.	WT in.	IT in.	BW ft.	Size	No.	Spacing in.	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	11.5	8	8	34.00	10	1	12	33.50	8	2	6	33.50	4	2	12	4.50	5	2	12	4.50	4	2	12	4.50	67	64	3	3	1.67	1.67	1.90	523
	3	14	8	8	34.00	7	2	6	33.50	7	2	6	33.50	4	2	12	4.50	5	2	12	4.50	4	2	12	4.50	67	64	3	3	1.67	1.67	2.16	474
	5	15	8	8	34.00	11	1	12	33.50	6	2	6	33.50	4	2	12	4.50	5	2	12	4.50	4	2	12	4.50	101	0	3	3	1.67	1.67	2.27	459
Moment Break	10	18	8	8	34.00	9	2	6	33.50	6	2	6	33.50	4	2	12	4.50	5	2	12	4.50	4	2	12	4.50	101	0	3	3	1.67	1.67	2.58	509
	20	19	8	8	34.00	4	2	12	16.66	10	2	6	33.50	4	2	12	4.50	5	2	12	4.50	5	2	12	4.50	101	0	3	3	1.67	1.67	2.69	494
	30	26	8	8	34.00	4	2	12	16.66	9	2	6	33.50	4	2	12	4.50	5	2	12	4.50	4	4	6	4.50	101	0	3	3	1.67	1.67	3.42	436
	40	32	8	8	34.00	4	2	12	16.66	9	2	6	33.50	4	2	12	4.50	5	2	12	4.50	5	4	6	4.50	101	0	3	3	1.67	1.67	4.05	443
Moment Break	50	37	8	8	34.00	4	2	12	16.66	10	2	6	33.50	4	2	12	4.50	5	2	12	4.50	6	4	6	4.50	101	0	3	3	1.67	1.67	4.58	512
	60	41	9	8	34.17	4	2	12	16.66	10	2	6	33.67	4	2	12	4.50	5	2	12	4.50	6	4	6	4.50	101	0	3	3	1.75	1.67	5.06	513

2 @ 16 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	34.00	10	1	12	33.50	8	2	6	33.50	4	2	12	5.50	5	2	12	5.50	4	2	12	5.50	73	64	3	3	1.67	1.67	1.98	532
	3	14	8	8	34.00	7	2	6	33.50	7	2	6	33.50	4	2	12	5.50	5	2	12	5.50	4	2	12	5.50	73	64	3	3	1.67	1.67	2.24	483
	5	15	8	8	34.00	11	1	12	33.50	6	2	6	33.50	4	2	12	5.50	5	2	12	5.50	4	2	12	5.50	107	0	3	3	1.67	1.67	2.34	468
Moment Break	10	18	8	8	34.00	9	2	6	33.50	6	2	6	33.50	4	2	12	5.50	5	2	12	5.50	4	2	12	5.50	107	0	3	3	1.67	1.67	2.66	518
	20	19	8	8	34.00	4	2	12	16.66	10	2	6	33.50	4	2	12	5.50	5	2	12	5.50	5	2	12	5.50	107	0	3	3	1.67	1.67	2.76	504
	30	26	8	8	34.00	4	2	12	16.66	9	2	6	33.50	4	2	12	5.50	5	2	12	5.50	4	4	6	5.50	107	0	3	3	1.67	1.67	3.50	447
	40	32	9	8	34.17	4	2	12	16.66	9	2	6	33.67	4	2	12	5.50	5	2	12	5.50	5	4	6	5.50	107	0	3	3	1.75	1.67	4.19	456
Moment Break	50	37	9	8	34.17	4	2	12	16.66	10	2	6	33.67	4	2	12	5.50	5	2	12	5.50	6	4	6	5.50	107	0	3	3	1.75	1.67	4.71	527
	60	41	10	8	34.33	4	2	12	16.66	10	2	6	33.83	4	2	12	5.50	5	2	12	5.50	6	4	6	5.50	107	0	3	3	1.83	1.67	5.20	528

2 @ 16 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	34.00	10	1	12	33.50	8	2	6	33.50	4	2	12	6.50	5	2	12	6.50	4	2	12	6.50	79	64	3	3	1.67	1.67	2.05	541
	3	14	8	8	34.00	7	2	6	33.50	7	2	6	33.50	4	2	12	6.50	5	2	12	6.50	4	2	12	6.50	79	64	3	3	1.67	1.67	2.31	492
	5	15	8	8	34.00	11	1	12	33.50	6	2	6	33.50	4	2	12	6.50	5	2	12	6.50	4	2	12	6.50	113	0	3	3	1.67	1.67	2.42	476
Moment Break	10	18	8	8	34.00	9	2	6	33.50	6	2	6	33.50	4	2	12	6.50	5	2	12	6.50	4	2	12	6.50	113	0	3	3	1.67	1.67	2.73	526
	20	19	8	8	34.00	4	2	12	16.66	10	2	6	33.50	4	2	12	6.50	6	2	12	6.50	5	2	12	6.50	113	0	3	3	1.67	1.67	2.84	519
	30	26	9	8	34.17	4	2	12	16.66	9	2	6	33.67	4	2	12	6.50	5	2	12	6.50	4	4	6	6.50	113	0	3	3	1.75	1.67	3.63	458
	40	32	10	8	34.33	4	2	12	16.66	9	2	6	33.83	4	2	12	6.50	5	2	12	6.50	5	4	6	6.50	113	0	3	3	1.83	1.67	4.33	469
Moment Break	50	37	11	8	34.50	4	2	12	16.66	10	2	6	34.00	4	2	12	6.50	5	2	12	6.50	6	4	6	6.50	113	0	3	3	1.92	1.67	4.93	543
	60	41	12	8	34.67	4	2	12	16.66	10	2	6	34.17	4	2	12	6.50	5	2	12	6.50	6	4	6	6.50	113	0	3	3	2.00	1.67	5.43	545



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 16'-0"  
 CLEAR HEIGHTS 6'-0" THRU 8'-0"  
 0' THRU 60' FILL  
 2010

CORRECT *Edward P. Wasserman*  
 ENGINEER OF STRUCTURES

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. = 1 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