

CONST. NO.			
PROJECT NO.	YEAR	SHEET NO.	
REVISIONS			
NO.	DATE	BY	BRIEF DESCRIPTION
1	12-7-01	CMH	REVISED TITLE BLOCK

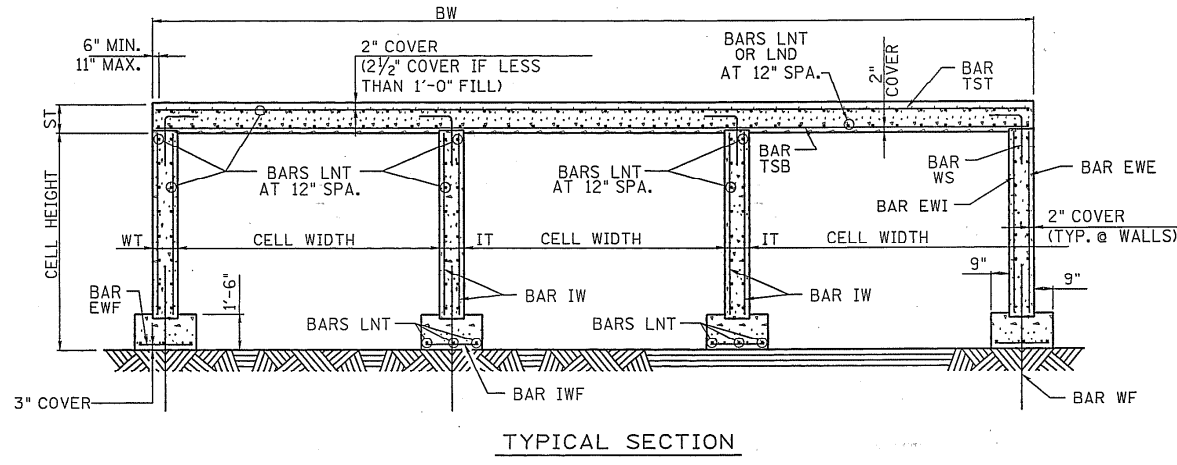
3 @ 18 x 6 REINFORCED CONCRETE SLAB BRIDGE																															
Fill Height ft.	Dimensions				Bars TST				Bars TSB				Bars EWE				Bar EWI				Bar IW				Bars LNT	Bars LND	Bars WS	Bars WF	Bars EWF	Concrete CY/LF	Reinf. Steel LB/LF
	ST in.	WT in.	IT in.	BW ft.	Size	No.	Spacing in.	Length ft.	Size	No.	Spacing in.	Length ft.	Size	No.	Spacing in.	Length ft.	Size	No.	Spacing in.	Length ft.	Size	No.	Spacing in.	Length ft.							
No Fill	10.5	8	8	56.67	11	1	12	56.16	7	2	6	56.16	4	2	12	4.50	4	2	12	4.50	4	4	12	4.50	100	54	4	4	1.66	2.76	797
3	12	8	8	56.67	11	1	12	56.16	7	2	6	56.16	4	2	12	4.50	4	2	12	4.50	4	4	12	4.50	100	54	4	4	1.66	3.02	797
5	12	8	8	56.67	11	1	12	56.16	7	2	6	56.16	4	2	12	4.50	4	2	12	4.50	4	4	12	4.50	156	0	4	4	1.66	3.02	778
10	15	8	8	56.67	11	1	12	56.15	7	2	6	56.15	4	2	12	4.50	4	2	12	4.50	4	4	12	4.50	156	0	4	4	1.66	3.54	777
20	18	8	8	56.67	4	3	12	18.66	11	2	6	56.16	4	2	12	4.50	4	2	12	4.50	5	4	12	4.50	156	0	4	4	1.66	4.07	890
30	28	8	8	56.67	4	3	12	18.66	10	2	6	56.16	4	2	12	4.50	4	2	12	4.50	4	8	6	4.50	156	0	4	4	1.66	5.82	782
40	35	8	8	56.67	4	3	12	18.66	10	2	6	56.16	4	2	12	4.50	4	2	12	4.50	7	4	12	4.50	156	0	4	4	1.66	7.04	795
50	40	8	8	56.67	4	3	12	18.66	10	2	6	56.16	4	2	12	4.50	7	2	12	4.50	8	4	12	4.50	156	0	4	4	1.66	7.92	819
60	45	9	8	66.83	4	3	12	18.66	10	2	6	56.33	4	2	12	4.50	4	2	12	4.50	6	8	6	4.50	156	0	4	4	1.75	8.85	814

3 @ 18 x 7 REINFORCED CONCRETE SLAB BRIDGE																															
Fill Height ft.	Dimensions				Bars TST				Bars TSB				Bars EWE				Bar EWI				Bar IW				Bars LNT	Bars LND	Bars WS	Bars WF	Bars EWF	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 Fill	10.5	8	8	56.67	11	1	12	56.16	7	2	6	56.16	4	2	12	5.50	4	2	12	5.50	4	4	12	5.50	108	54	4	4	1.66	2.86	807
3	12	8	8	56.67	11	1	12	56.16	7	2	6	56.16	4	2	12	5.50	4	2	12	5.50	4	4	12	5.50	108	54	4	4	1.66	3.12	807
5	12	8	8	56.67	11	1	12	56.16	7	2	6	56.16	4	2	12	5.50	4	2	12	5.50	4	4	12	5.50	164	0	4	4	1.66	3.12	789
10	15	8	8	56.67	11	1	12	56.15	7	2	6	56.15	4	2	12	5.50	4	2	12	5.50	4	4	12	5.50	164	0	4	4	1.66	3.64	789
20	18	8	8	56.67	4	3	12	18.66	11	2	6	56.16	4	2	12	5.50	4	2	12	5.50	5	4	12	5.50	164	0	4	4	1.66	4.17	903
30	28	8	8	56.67	4	3	12	18.66	10	2	6	56.16	4	2	12	5.50	4	2	12	5.50	4	8	6	5.50	164	0	4	4	1.66	5.92	796
40	35	9	8	56.83	4	3	12	18.66	10	2	6	56.33	4	2	12	5.50	4	2	12	5.50	7	4	12	5.50	164	0	4	4	1.75	7.20	813
50	40	9	8	56.83	4	3	12	18.66	10	2	6	56.33	4	2	12	5.50	7	2	12	5.50	8	4	12	5.50	164	0	4	4	1.75	8.08	842
60	45	10	8	57.00	4	3	12	18.66	10	2	6	56.50	4	2	12	5.50	4	4	6	5.50	6	8	6	5.50	166	0	4	4	1.83	9.02	844

3 @ 18 x 8 REINFORCED CONCRETE SLAB BRIDGE																															
Fill Height ft.	Dimensions				Bars TST				Bars TSB				Bars EWE				Bar EWI				Bar IW				Bars LNT	Bars LND	Bars WS	Bars WF	Bars EWF	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 Fill	10.5	8	8	56.67	11	1	12	56.16	7	2	6	56.16	4	2	12	6.50	4	2	12	6.50	4	4	12	6.50	116	54	4	4	1.66	2.96	818
3	12	8	8	56.67	11	1	12	56.16	7	2	6	56.16	4	2	12	6.50	4	2	12	6.50	4	4	12	6.50	116	54	4	4	1.66	3.22	818
5	12	8	8	56.67	11	1	12	56.16	7	2	6	56.16	4	2	12	6.50	4	2	12	6.50	4	4	12	6.50	172	0	4	4	1.66	3.22	799
10	15	8	8	56.67	11	1	12	56.15	7	2	6	56.15	4	2	12	6.50	4	2	12	6.50	4	4	12	6.50	172	0	4	4	1.66	3.74	799
20	18	8	8	56.67	4	3	12	18.66	11	2	6	56.16	4	2	12	6.50	4	2	12	6.50	5	4	12	6.50	172	0	4	4	1.66	4.27	915
30	28	8	8	56.67	4	3	12	18.66	10	2	6	56.16	4	2	12	6.50	6	4	6	6.50	4	8	6	6.50	172	0	4	4	1.66	6.02	840
40	35	10	8	57.00	4	3	12	18.66	10	2	6	56.50	4	2	12	6.50	4	2	12	6.50	7	4	12	6.50	174	0	4	4	1.83	7.37	832
50	40	10	8	57.00	4	3	12	18.66	10	2	6	56.50	4	2	12	6.50	8	2	12	6.50	8	4	12	6.50	174	0	4	4	1.83	8.25	874
60	45	11	8	57.17	4	3	12	18.66	10	2	6	56.66	4	2	12	6.50	8	2	12	6.50	6	8	6	6.50	174	0	4	4	1.91	9.21	884

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 top slab is the riding surface (No Fill), the concrete cover to the top mat of reinforcing shall be 2-1/2 inches.

The following bar information applies to all fill cases in the table above:
 Bars LNT Size = 4 Spacing = 12 in.
 Bars LND Size = 5 Spacing = 12 in.
 Bars WS Size = 8 Length = 5.00 ft. Spacing = 12 in.
 Bars WF Size = 8 Length = 6.00 ft. Spacing = 12 in.
 Bars IW Size = 4 No. = 2 Spacing = 12 in. Length = 1.66 ft.
 Bars EWF Size = 4 No. = 2 Spacing = 12 in.



NOTE: FOR DESCRIPTIONS OF BOX DIMENSIONS AND REINFORCING BAR DESIGNATIONS SEE STANDARD DRAWING NO. STD-15-4.

STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION
 STANDARD REINFORCED CONCRETE
 SLAB BRIDGE
 INTERIOR SECTION
 SPANS: 3 BARREL AT 18'-0"
 CLEAR HEIGHTS 6'-0" THRU 8'-0"
 0'-0" THRU 60'-0" FILL
 2000

CORRECT *Edward P. Wasserman*
 ENGINEER OF STRUCTURES

DESIGNED BY DAN SHIKE DATE 1-00
 DRAWN BY KEVIN MARTINKO DATE 3-00
 SUPERVISED BY FIELDS & HOLLORAN DATE 3-00
 CHECKED BY DAN SHIKE DATE 6-00

STD-15-148