

CONST. NO.			
PROJECT NO.	YEAR	SHEET NO.	
REVISIONS			
NO.	DATE	BY	BRIEF DESCRIPTION
1	2-28-03	JHW	CHANGED NOTE

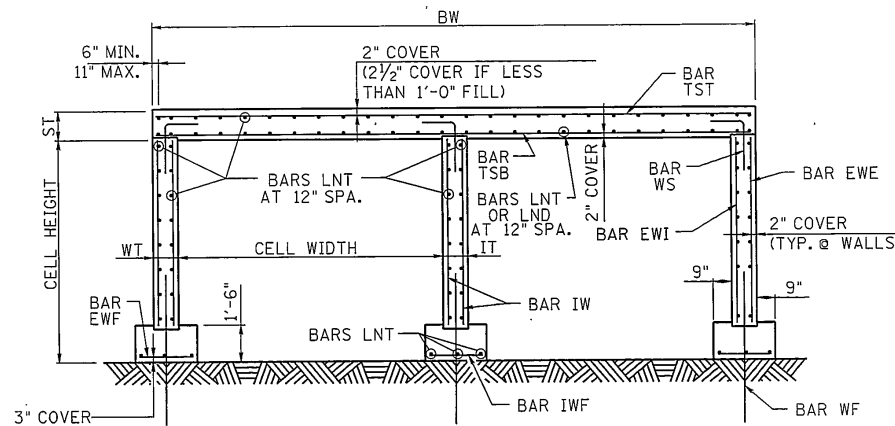
2 @ 10 x 4 REINFORCED CONCRETE SLAB BRIDGE																															
Fill Height ft.	Dimensions				Bars TST				Bars TSB				Bars EWE				Bar EWI				Bar IW				Bars LNT	Bars LND	Bars WS	Bars WF	Bars EWF	Concrete CY/LF	Reinf. Steel LB/LF
	ST in.	WT in.	IT in.	BW ft.	Size	No.	Spacing in.	Length ft.	Size	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	8.5	8	8	22.00	6	2	6	21.50	8	1	12	21.50	4	2	12	2.50	4	2	12	2.50	4	2	12	2.50	43	20	3	3	1.66	1.18	273
3	9	8	8	22.00	9	1	12	21.50	8	1	12	21.50	4	2	12	2.50	4	2	12	2.50	4	2	12	2.50	43	20	3	3	1.66	1.15	282
5	9	8	8	22.00	6	2	6	21.50	6	1	12	21.50	4	2	12	2.50	4	2	12	2.50	4	2	12	2.50	65	0	3	3	1.66	1.15	241
10	9	8	8	22.00	7	2	6	21.50	7	1	12	21.50	4	2	12	2.50	4	2	12	2.50	4	2	12	2.50	65	0	3	3	1.66	1.15	276
20	11	8	8	22.00	4	2	12	10.66	11	1	12	21.50	4	2	12	2.50	4	2	12	2.50	4	2	12	2.50	65	0	3	3	1.66	1.29	272
30	17	8	8	22.00	4	2	12	10.66	7	2	6	21.50	4	2	12	2.50	4	2	12	2.50	5	2	12	2.50	65	0	3	3	1.66	1.70	248
40	21	8	8	22.00	4	2	12	10.66	7	2	6	21.50	4	2	12	2.50	4	2	12	2.50	5	2	12	2.50	65	0	3	3	1.66	1.97	248
50	24	8	8	22.00	4	2	12	10.66	10	1	12	21.50	4	2	12	2.50	4	2	12	2.50	4	4	6	2.50	65	0	3	3	1.66	2.17	254
60	26	8	8	22.00	4	2	12	10.66	11	1	12	21.50	4	2	12	2.50	4	2	12	2.50	7	2	12	2.50	65	0	3	3	1.66	2.31	279

2 @ 10 x 5 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	9.5	8	8	22.00	6	2	6	21.50	8	1	12	21.50	4	2	12	3.50	4	2	12	3.50	4	2	12	3.50	49	20	3	3	1.66	1.26	281
3	9	8	8	22.00	9	1	12	21.50	8	1	12	21.50	4	2	12	3.50	4	2	12	3.50	4	2	12	3.50	49	20	3	3	1.66	1.23	290
5	9	8	8	22.00	6	2	6	21.50	6	1	12	21.50	4	2	12	3.50	4	2	12	3.50	4	2	12	3.50	71	0	3	3	1.66	1.23	249
10	9	8	8	22.00	7	2	6	21.50	7	1	12	21.50	4	2	12	3.50	4	2	12	3.50	4	2	12	3.50	71	0	3	3	1.66	1.23	284
20	11	8	8	22.00	4	2	12	10.66	11	1	12	21.50	4	2	12	3.50	4	2	12	3.50	4	2	12	3.50	71	0	3	3	1.66	1.36	280
30	17	8	8	22.00	4	2	12	10.66	7	2	6	21.50	4	2	12	3.50	4	2	12	3.50	5	2	12	3.50	71	0	3	3	1.66	1.77	257
40	21	8	8	22.00	4	2	12	10.66	7	2	6	21.50	4	2	12	3.50	4	2	12	3.50	5	2	12	3.50	71	0	3	3	1.66	2.04	257
50	24	8	8	22.00	4	2	12	10.66	10	1	12	21.50	4	2	12	3.50	4	2	12	3.50	4	4	6	3.50	71	0	3	3	1.66	2.25	263
60	26	8	8	22.00	4	2	12	10.66	11	1	12	21.50	4	2	12	3.50	4	2	12	3.50	7	2	12	3.50	71	0	3	3	1.66	2.38	290

2 @ 10 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	9.5	8	8	22.00	6	2	6	21.50	8	1	12	21.50	4	2	12	4.50	4	2	12	4.50	4	2	12	4.50	55	20	3	3	1.66	1.33	289
3	9	8	8	22.00	9	1	12	21.50	8	1	12	21.50	4	2	12	4.50	4	2	12	4.50	4	2	12	4.50	55	20	3	3	1.66	1.30	298
5	9	8	8	22.00	6	2	6	21.50	6	1	12	21.50	4	2	12	4.50	4	2	12	4.50	4	2	12	4.50	77	0	3	3	1.66	1.30	257
10	9	8	8	22.00	7	2	6	21.50	7	1	12	21.50	4	2	12	4.50	4	2	12	4.50	4	2	12	4.50	77	0	3	3	1.66	1.30	292
20	11	8	8	22.00	4	2	12	10.66	11	1	12	21.50	4	2	12	4.50	4	2	12	4.50	4	2	12	4.50	77	0	3	3	1.66	1.44	289
30	17	8	8	22.00	4	2	12	10.66	7	2	6	21.50	4	2	12	4.50	4	2	12	4.50	5	2	12	4.50	77	0	3	3	1.66	1.84	266
40	21	8	8	22.00	4	2	12	10.66	7	2	6	21.50	4	2	12	4.50	4	2	12	4.50	5	2	12	4.50	77	0	3	3	1.66	2.12	266
50	24	9	8	22.17	4	2	12	10.66	10	1	12	21.66	4	2	12	4.50	4	2	12	4.50	4	4	6	4.50	77	0	3	3	1.75	2.37	274
60	26	9	8	22.17	4	2	12	10.66	11	1	12	21.66	4	2	12	4.50	4	2	12	4.50	7	2	12	4.50	77	0	3	3	1.75	2.51	302

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 EWF Size = 4 No. = 1 Space = 12 in. Length = 1.66 ft.
 Bars EWI Size = 4 No. = 1 Space = 12 in. Length = 1.66 ft.



TYPICAL SECTION

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: 2 BARREL AT 10'-0"
 CLEAR HEIGHTS 4'-0" THRU 6'-0"
 0' THRU 60' FILL
 2000

CORRECT *Edward P. Wasserman*
 ENGINEER OF STRUCTURES

DESIGNED BY LEFEVRE & HARPER DATE 1-00
 DRAWN BY KEVIN MARTINKO DATE 3-00
 SUPERVISED BY FIELDS & HOLLORAN DATE 3-00
 CHECKED BY LEFEVRE & CROSSLIN DATE 6-00