

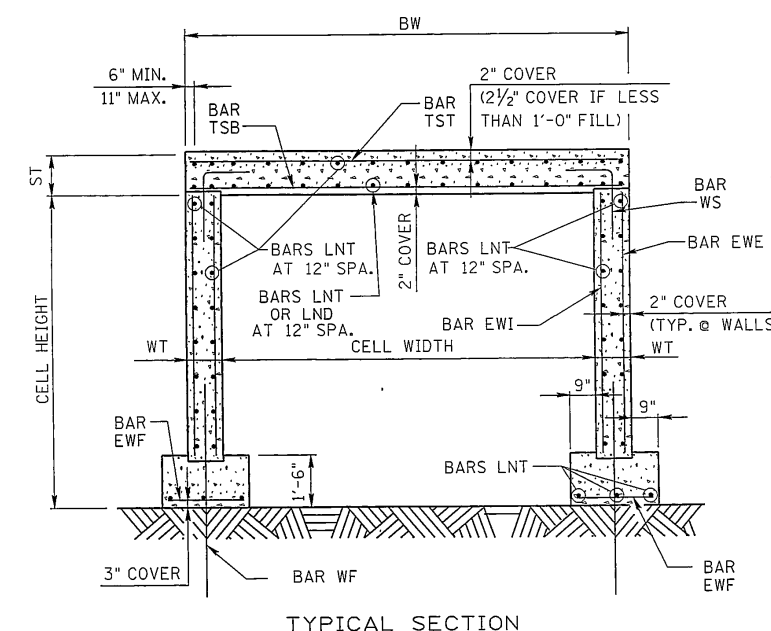
CONST. NO.			
PROJECT NO.	YEAR	SHEET NO.	
REVISIONS			
NO.	DATE	BY	BRIEF DESCRIPTION
1	2-28-03	JHW	DELETED NOTE

1 @ 12 x 4 REINFORCED CONCRETE SLAB BRIDGE																										
Fill Height ft.	Dimensions			Bars TST				Bars TSB				Bars EWE				Bar EWI				Concrete CY/LF	Reinf. Steel LB/LF					
	ST in.	WT 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.			No.	No.	No.	No.	Length ft.
No Fill	10.5	8	13.33	4	1	12	12.83	7	2	6	12.83	4	2	12	2.50	4	2	12	2.50	27	24	2	2	1.67	0.79	162
3	10	8	13.33	4	1	12	12.83	11	1	12	12.83	4	2	12	2.50	4	2	12	2.50	27	24	2	2	1.67	0.77	178
5	10	8	13.33	4	1	12	12.83	7	2	6	12.83	4	2	12	2.50	4	2	12	2.50	40	0	2	2	1.67	0.77	155
10	10	8	13.33	4	1	12	12.83	11	1	12	12.83	4	2	12	2.50	4	2	12	2.50	40	0	2	2	1.67	0.77	171
20	13	8	13.33	4	1	12	12.83	9	2	6	12.83	4	2	12	2.50	4	2	12	2.50	40	0	2	2	1.67	0.89	190
30	19	8	13.33	4	1	12	12.83	11	1	12	12.83	4	2	12	2.50	4	2	12	2.50	40	0	2	2	1.67	1.14	171
40	24	8	13.33	4	1	12	12.83	11	1	12	12.83	4	2	12	2.50	4	2	12	2.50	40	0	2	2	1.67	1.35	171
50	28	8	13.33	4	1	12	12.83	11	1	12	12.83	4	2	12	2.50	4	2	12	2.50	40	0	2	2	1.67	1.51	171
60	31	8	13.33	4	1	12	12.83	9	2	6	12.83	4	2	12	2.50	4	2	12	2.50	40	0	2	2	1.67	1.63	190

1 @ 12 x 5 REINFORCED CONCRETE SLAB BRIDGE																										
Fill Height ft.	Dimensions			Bars TST				Bars TSB				Bars EWE				Bar EWI				Concrete CY/LF	Reinf. Steel LB/LF					
	ST in.	WT 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.			No.	No.	No.	No.	Length ft.
No Fill	10.5	8	13.33	4	1	12	12.83	7	2	6	12.83	4	2	12	3.50	4	2	12	3.50	31	24	2	2	1.67	0.84	168
3	10	8	13.33	4	1	12	12.83	11	1	12	12.83	4	2	12	3.50	4	2	12	3.50	31	24	2	2	1.67	0.82	184
5	10	8	13.33	4	1	12	12.83	7	2	6	12.83	4	2	12	3.50	4	2	12	3.50	44	0	2	2	1.67	0.82	160
10	10	8	13.33	4	1	12	12.83	11	1	12	12.83	4	2	12	3.50	4	2	12	3.50	44	0	2	2	1.67	0.82	176
20	13	8	13.33	4	1	12	12.83	11	1	12	12.83	4	2	12	3.50	4	2	12	3.50	44	0	2	2	1.67	0.94	195
30	19	8	13.33	4	1	12	12.83	11	1	12	12.83	4	2	12	3.50	4	2	12	3.50	44	0	2	2	1.67	1.19	176
40	24	8	13.33	4	1	12	12.83	11	1	12	12.83	4	2	12	3.50	4	2	12	3.50	44	0	2	2	1.67	1.40	176
50	28	8	13.33	4	1	12	12.83	11	1	12	12.83	4	2	12	3.50	4	2	12	3.50	44	0	2	2	1.67	1.56	176
60	31	8	13.33	4	1	12	12.83	9	2	6	12.83	4	2	12	3.50	4	2	12	3.50	44	0	2	2	1.67	1.68	195

1 @ 12 x 6 REINFORCED CONCRETE SLAB BRIDGE																										
Fill Height ft.	Dimensions			Bars TST				Bars TSB				Bars EWE				Bar EWI				Concrete CY/LF	Reinf. Steel LB/LF					
	ST in.	WT 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.			No.	No.	No.	No.	Length ft.
No Fill	10.5	8	13.33	4	1	12	12.83	7	2	6	12.83	4	2	12	4.50	4	2	12	4.50	35	24	2	2	1.67	0.89	173
3	10	8	13.33	4	1	12	12.83	11	1	12	12.83	4	2	12	4.50	4	2	12	4.50	35	24	2	2	1.67	0.87	188
5	10	8	13.33	4	1	12	12.83	7	2	6	12.83	4	2	12	4.50	4	2	12	4.50	48	0	2	2	1.67	0.87	166
10	10	8	13.33	4	1	12	12.83	11	1	12	12.83	4	2	12	4.50	4	2	12	4.50	48	0	2	2	1.67	0.87	181
20	13	8	13.33	4	1	12	12.83	9	2	6	12.83	4	2	12	4.50	4	2	12	4.50	48	0	2	2	1.67	0.99	200
30	19	8	13.33	4	1	12	12.83	11	1	12	12.83	4	2	12	4.50	4	2	12	4.50	48	0	2	2	1.67	1.24	181
40	24	8	13.33	4	1	12	12.83	11	1	12	12.83	4	2	12	4.50	4	2	12	4.50	48	0	2	2	1.67	1.45	181
50	28	8	13.33	4	1	12	12.83	11	1	12	12.83	4	2	12	4.50	4	2	12	4.50	48	0	2	2	1.67	1.61	181
60	31	9	13.50	4	1	12	13.00	9	2	6	13.00	4	2	12	4.50	4	2	12	4.50	48	0	2	2	1.75	1.79	202

1 @ 12 x 7 REINFORCED CONCRETE SLAB BRIDGE																										
Fill Height ft.	Dimensions			Bars TST				Bars TSB				Bars EWE				Bar EWI				Concrete CY/LF	Reinf. Steel LB/LF					
	ST in.	WT 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.			No.	No.	No.	No.	Length ft.
No Fill	10.5	8	13.33	4	1	12	12.83	7	2	6	12.83	4	2	12	5.50	4	2	12	5.50	39	24	2	2	1.67	0.94	178
3	10	8	13.33	4	1	12	12.83	11	1	12	12.83	4	2	12	5.50	4	2	12	5.50	39	24	2	2	1.67	0.92	194
5	10	8	13.33	4	1	12	12.83	7	2	6	12.83	4	2	12	5.50	4	2	12	5.50	52	0	2	2	1.67	0.92	171
10	10	8	13.33	4	1	12	12.83	11	1	12	12.83	4	2	12	5.50	4	2	12	5.50	52	0	2	2	1.67	0.92	187
20	13	8	13.33	4	1	12	12.83	9	2	6	12.83	4	2	12	5.50	4	2	12	5.50	52	0	2	2	1.67	1.04	206
30	19	8	13.33	4	1	12	12.83	11	1	12	12.83	4	2	12	5.50	4	2	12	5.50	52	0	2	2	1.67	1.29	187
40	24	9	13.50	4	1	12	13.00	11	1	12	13.00	4	2	12	5.50	4	2	12	5.50	52	0	2	2	1.75	1.55	188
50	28	10	13.67	4	1	12	13.17	11	1	12	13.17	4	2	12	5.50	4	2	12	5.50	52	0	2	2	1.83	1.77	189
60	31	10	13.67	4	1	12	13.17	9	2	6	13.17	4	2	12	5.50	4	2	12	5.50	52	0	2	2	1.83	1.90	209



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 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 = 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 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: 1 BARREL AT 12'-0"
 CLEAR HEIGHTS 4'-0" THRU 7'-0"
 0' THRU 60' FILL
 2000

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

CORRECT Edward P. Wasserman
 ENGINEER OF STRUCTURES