

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

Fill Height ft.	Dimensions				Bars TST				Bars TSB				Bars EWE				Bar EWI				Bar IW				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.	No.	No.	No.	No.			Length ft.				
No Fill	9.5	8	8	22.00	6	2	6	21.50	8	1	12	21.50	4	2	12	5.50	4	2	12	5.50	4	2	12	5.50	61	20	3	3	1.66	1.38	297
3	9	8	8	22.00	9	1	12	21.50	8	1	12	21.50	4	2	12	5.50	4	2	12	5.50	4	2	12	5.50	61	20	3	3	1.66	1.37	306
5	9	8	8	22.00	6	2	6	21.50	6	1	12	21.50	4	2	12	5.50	4	2	12	5.50	4	2	12	5.50	83	0	3	3	1.66	1.37	265
10	9	8	8	22.00	7	2	6	21.50	7	1	12	21.50	4	2	12	5.50	4	2	12	5.50	4	2	12	5.50	83	0	3	3	1.66	1.37	300
20	11	8	8	22.00	4	2	12	10.66	11	1	12	21.50	4	2	12	5.50	4	2	12	5.50	4	2	12	5.50	83	0	3	3	1.66	1.51	297
30	17	8	8	22.00	4	2	12	10.66	7	2	6	21.50	4	2	12	5.50	5	2	12	5.50	5	2	12	5.50	83	0	3	3	1.66	1.92	278
40	21	9	8	22.16	4	2	12	10.66	7	2	6	21.66	4	2	12	5.50	4	2	12	5.50	5	2	12	5.50	83	0	3	3	1.75	2.24	275
50	24	10	8	22.33	4	2	12	10.66	10	1	12	21.83	4	2	12	5.50	4	2	12	5.50	4	2	12	5.50	83	0	3	3	1.83	2.50	284
60	26	11	8	22.50	4	2	12	10.66	11	1	12	22.00	4	2	12	5.50	4	2	12	5.50	7	2	12	5.50	83	0	3	3	1.91	2.70	315

Fill Height ft.	Dimensions				Bars TST				Bars TSB				Bars EWE				Bar EWI				Bar IW				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.
No Fill	9.0	8	8	22.00	6	2	6	21.50	8	1	12	21.50	4	2	12	6.50	4	2	12	6.50	4	2	12	6.50	67	20	3	3	1.66	1.46	305
3	9	8	8	22.00	9	1	12	21.50	8	1	12	21.50	4	2	12	6.50	4	2	12	6.50	4	2	12	6.50	67	20	3	3	1.66	1.45	314
5	9	8	8	22.00	6	2	6	21.50	6	1	12	21.50	4	2	12	6.50	4	2	12	6.50	4	2	12	6.50	89	0	3	3	1.66	1.45	273
10	9	8	8	22.00	7	2	6	21.50	7	1	12	21.50	4	2	12	6.50	5	2	12	6.50	4	2	12	6.50	89	0	3	3	1.66	1.45	313
20	11	8	8	22.00	4	2	12	10.66	11	1	12	21.50	4	2	12	6.50	4	4	6	6.50	4	2	12	6.50	89	0	3	3	1.66	1.58	313
30	17	9	8	22.17	4	2	12	10.66	7	2	6	21.66	4	2	12	6.50	5	2	12	6.50	5	2	12	6.50	89	0	3	3	1.75	2.05	289
40	21	10	8	22.33	4	2	12	10.66	7	2	6	21.83	4	2	12	6.50	4	4	6	6.50	5	2	12	6.50	89	0	3	3	1.83	2.38	293
50	24	11	8	22.50	4	2	12	10.66	10	1	12	22.00	4	2	12	6.50	5	2	12	6.50	4	4	6	6.50	89	0	3	3	1.91	2.65	299
60	26	12	8	22.67	4	2	12	10.66	11	1	12	22.16	4	2	12	6.50	5	2	12	6.50	7	2	12	6.50	89	0	3	3	2	2.85	331

Fill Height ft.	Dimensions				Bars TST				Bars TSB				Bars EWE				Bar EWI				Bar IW				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.
No Fill	9.5	8	8	22.00	6	2	6	21.50	8	1	12	21.50	4	2	12	7.50	4	2	12	7.50	4	2	12	7.50	73	20	3	3	1.67	1.55	313
3	9	8	8	22.00	9	1	12	21.50	8	1	12	21.50	4	2	12	7.50	4	2	12	7.50	4	2	12	7.50	73	20	3	3	1.67	1.52	322
5	9	8	8	22.00	6	2	6	21.50	8	1	12	21.50	4	2	12	7.50	5	2	12	7.50	4	2	12	7.50	95	0	3	3	1.67	1.52	287
10	9	8	8	22.00	7	2	6	21.50	7	1	12	21.50	4	2	12	7.50	5	2	12	7.50	4	2	12	7.50	95	0	3	3	1.67	1.52	322
20	11	8	8	22.00	4	2	12	10.67	11	1	12	21.50	4	2	12	7.50	7	2	12	7.50	4	2	12	7.50	95	0	3	3	1.67	1.66	333
30	17	10	8	22.33	4	2	12	10.67	7	2	6	21.83	4	2	12	7.50	7	2	12	7.50	5	2	12	7.50	95	0	3	3	1.83	2.19	314
40	21	11	8	22.50	4	2	12	10.67	7	2	6	22.00	4	2	12	7.50	7	2	12	7.50	5	2	12	7.50	95	0	3	3	1.92	2.54	315
50	24	13	8	22.83	4	2	12	10.67	10	1	12	22.33	4	2	12	7.50	4	4	6	7.50	4	4	6	7.50	95	0	3	3	2.08	2.88	315
60	26	14	8	23.00	4	2	12	10.67	11	1	12	22.50	4	2	12	7.50	4	4	6	7.50	7	2	12	7.50	97	0	3	3	2.17	3.09	351

Fill Height ft.	Dimensions				Bars TST				Bars TSB				Bars EWE				Bar EWI				Bar IW				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.
No Fill	9.5	8	8	22.00	6	2	6	21.50	8	1	12	21.50	4	2	12	8.50	4	2	12	8.50	4	2	12	8.50	79	20	3	3	1.67	1.63	321
3	9	8	8	22.00	9	1	12	21.50	8	1	12	21.50	4	2	12	8.50	4	2	12	8.50	4	2	12	8.50	79	20	3	3	1.67	1.60	330
5	9	8	8	22.00	6	2	6	21.50	6	2	6	21.50	4	2	12	8.50	5	2	12	8.50	4	2	12	8.50	101	0	3	3	1.67	1.60	295
10	9	8	8	22.00	7	2	6	21.50	7	1	12	21.50	4	2	12	8.50	7	2	12	8.50	4	2	12	8.50	101	0	3	3	1.67	1.60	347
20	11	9	8	22.17	4	2	12	10.67	11	1	12	21.67	4	2	12	8.50	5	4	6	8.50	4	2	12	8.50	101	0	3	3	1.75	1.80	346
30	17	11	8	22.50	4	2	12	10.67	7	2	6	22.00	4	2	12	8.50	7	2	12	8.50	5	2	12	8.50	101	0	3	3	1.92	2.35	326
40	21	13	8	22.83	4	2	12	10.67	7	2	6	22.33	4	2	12	8.50	7	2	12	8.50	5	2	12	8.50	101	0	3	3	2.08	2.77	328
50	24	14	8	23.00	4	2	12	10.67	10	1	12	22.50	4	2	12	8.50	7	2	12	8.50	4	4	6	8.50	103	0	3	3	2.17	3.06	341
60	26	16	8	23.33	4	2	12	10.67	11	1	12	22.83	4	2	12	8.50	7	2	12	8.50	7	2	12	8.50	103	0	3	3	2.33	3.35	377

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. = 1 Space = 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: 2 BARREL AT 10'-0"
CLEAR HEIGHTS 7'-0" THRU 10'-0"
0' THRU 60' FILL
2000

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

CORRECT *Edward P. Wasserman*
ENGINEER OF STRUCTURES