

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

1 @ 10 x 7 REINFORCED CONCRETE SLAB BRIDGE																											
Fill Height ft.	Dimensions			Bars TST				Bars TSB				Bars EWE				Bar EWI				Bars LNT	Bars LND	Bars WS	Bars WF	Bars EWF	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 Fill	9.5	8	11.33	4	1	12	10.83	7	2	6	10.83	4	2	12	5.50	4	2	12	5.50	37	20	4	4	1.66	0.82	165	
3	10	8	11.33	4	1	12	10.83	7	2	6	10.83	4	2	12	5.50	4	2	12	5.50	37	20	4	4	1.66	0.86	165	
5	9	8	11.33	4	1	12	10.83	6	2	6	10.83	4	2	12	5.50	4	2	12	5.50	48	0	4	4	1.66	0.82	147	
10	9	8	11.33	4	1	12	10.83	7	2	6	10.83	4	2	12	5.50	4	2	12	5.50	48	0	4	4	1.66	0.82	159	
20	11	8	11.33	4	1	12	10.83	11	1	12	10.83	4	2	12	5.50	4	2	12	5.50	48	0	4	4	1.66	0.89	172	
30	17	8	11.33	4	1	12	10.83	7	2	6	10.83	4	2	12	5.50	5	2	12	5.50	48	0	4	4	1.66	1.10	163	
40	21	9	11.50	4	1	12	11.00	7	2	6	11.00	4	2	12	5.50	4	2	12	5.50	48	0	4	4	1.75	1.30	160	
50	24	10	11.66	4	1	12	11.16	10	1	12	11.16	4	2	12	5.50	4	2	12	5.50	48	0	4	4	1.83	1.46	163	
60	26	11	11.83	4	1	12	11.33	11	1	12	11.33	4	2	12	5.50	4	2	12	5.50	48	0	4	4	1.91	1.59	175	

1 @ 10 x 8 REINFORCED CONCRETE SLAB BRIDGE																											
Fill Height ft.	Dimensions			Bars TST				Bars TSB				Bars EWE				Bar EWI				Bars LNT	Bars LND	Bars WS	Bars WF	Bars EWF	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 Fill	10.0	8	11.33	4	1	12	10.83	7	2	6	10.83	4	2	12	6.50	4	2	12	6.50	41	20	2	2	1.66	0.88	170	
3	10	8	11.33	4	1	12	10.83	7	2	6	10.83	4	2	12	6.50	4	2	12	6.50	41	20	2	2	1.66	0.91	170	
5	9	8	11.33	4	1	12	10.83	6	2	6	10.83	4	2	12	6.50	4	2	12	6.50	52	0	2	2	1.66	0.87	153	
10	9	8	11.33	4	1	12	10.83	7	2	6	10.83	4	2	12	6.50	4	2	12	6.50	52	0	2	2	1.66	0.87	164	
20	11	8	11.33	4	1	12	10.83	11	1	12	10.83	4	2	12	6.50	4	2	12	6.50	52	0	2	2	1.66	0.94	186	
30	17	9	11.50	4	1	12	11.00	7	2	6	11.00	4	2	12	6.50	5	2	12	6.50	52	0	2	2	1.75	1.21	170	
40	21	10	11.67	4	1	12	11.16	7	2	6	11.16	4	2	12	6.50	4	2	12	6.50	52	0	2	2	1.83	1.41	175	
50	24	11	11.83	4	1	12	11.33	10	1	12	11.33	4	2	12	6.50	5	2	12	6.50	52	0	2	2	1.91	1.58	174	
60	26	12	12.00	4	1	12	11.50	11	1	12	11.50	4	2	12	6.50	5	2	12	6.50	54	0	2	2	2	1.72	188	

1 @ 10 x 9 REINFORCED CONCRETE SLAB BRIDGE																											
Fill Height ft.	Dimensions			Bars TST				Bars TSB				Bars EWE				Bar EWI				Bars LNT	Bars LND	Bars WS	Bars WF	Bars EWF	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 Fill	9.5	8	11.33	4	1	12	10.83	7	2	6	10.83	4	2	12	7.50	4	2	12	7.50	45	20	2	2	1.67	0.94	175	
3	10	8	11.33	4	1	12	10.83	7	2	6	10.83	4	2	12	7.50	4	2	12	7.50	45	20	2	2	1.67	0.96	175	
5	9	8	11.33	4	1	12	10.83	6	2	6	10.83	4	2	12	7.50	5	2	12	7.50	56	0	2	2	1.67	0.92	163	
10	9	8	11.33	4	1	12	10.83	7	2	6	10.83	4	2	12	7.50	5	2	12	7.50	56	0	2	2	1.67	0.92	175	
20	11	8	11.33	4	1	12	10.83	11	1	12	10.83	4	2	12	7.50	7	2	12	7.50	56	0	2	2	1.67	0.99	203	
30	17	10	11.67	4	1	12	11.17	7	2	6	11.17	4	2	12	7.50	7	2	12	7.50	56	0	2	2	1.83	1.33	191	
40	21	11	11.83	4	1	12	11.33	7	2	6	11.33	4	2	12	7.50	7	2	12	7.50	56	0	2	2	1.92	1.54	192	
50	24	13	12.17	4	1	12	11.67	10	1	12	11.67	4	2	12	7.50	4	2	12	7.50	58	0	2	2	2.08	1.79	188	
60	26	14	12.33	4	1	12	11.83	11	1	12	11.83	4	2	12	7.50	4	2	12	7.50	58	0	2	2	2.17	1.93	201	

1 @ 10 x 10 REINFORCED CONCRETE SLAB BRIDGE																											
Fill Height ft.	Dimensions			Bars TST				Bars TSB				Bars EWE				Bar EWI				Bars LNT	Bars LND	Bars WS	Bars WF	Bars EWF	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 Fill	9.5	8	11.33	4	1	12	10.83	7	2	6	10.83	4	2	12	8.50	4	2	12	8.50	49	20	2	2	1.67	0.99	181	
3	10	8	11.33	4	1	12	10.83	7	2	6	10.83	4	2	12	8.50	4	2	12	8.50	49	20	2	2	1.67	1.01	181	
5	9	8	11.33	4	1	12	10.83	6	2	6	10.83	4	2	12	8.50	5	2	12	8.50	60	0	2	2	1.67	0.97	169	
10	9	8	11.33	4	1	12	10.83	7	2	6	10.83	4	2	12	8.50	6	2	12	8.50	60	0	2	2	1.67	0.97	189	
20	11	9	11.50	4	1	12	11.00	11	1	12	11.00	4	2	12	8.50	8	2	12	8.50	60	0	2	2	1.75	1.11	223	
30	17	11	11.83	4	1	12	11.33	7	2	6	11.33	4	2	12	8.50	7	2	12	8.50	60	0	2	2	1.92	1.46	201	
40	21	13	12.17	4	1	12	11.67	7	2	6	11.67	4	2	12	8.50	7	2	12	8.50	62	0	2	2	2.08	1.75	204	
50	24	14	12.33	4	1	12	11.83	10	1	12	11.83	4	2	12	8.50	7	2	12	8.50	62	0	2	2	2.17	1.94	207	
60	26	16	12.67	4	1	12	12.17	11	1	12	12.17	4	2	12	8.50	7	2	12	8.50	62	0	2	2	2.33	2.17	221	

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.
- ① 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 10'-0"
CLEAR HEIGHTS 7'-0" THRU 10'-0"
0' THRU 60' FILL
2000

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

CORRECT *Edward P. Wasserman*
ENGINEER OF STRUCTURES

STD-15-99