CONST. NO. _____

PROJECT NO.	YEAR	SHEET NO.

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION

1 @ 8 x 5 REINFORCED CONCRETE SLAB BRIDGE

Fill Height ft.	Dimensions ST in.	WT in.	BW ft.	Bars TST Size	No.	Spacing in.	Length ft.	Bars TSB Size	No.	Spacing in.	Length ft.	Bars EWE Size	No.	Spacing in.	Length ft.	Bar EWI Size	No.	Spacing in.	Length ft.	Bars LNT No.	Bars LND No.	Bars WS No.	Bars WF No.	Bars EWF Length ft.	Concrete CY/LF	Reinf. Steel LB/LF
No Fill	9.5	8	9.33	4	1	12	8.83	6	2	6	8.83	4	2	12	3.50	4	2	12	3.50	27	16	2	2	1.66	0.67	131
3	9	8	9.33	4	1	12	8.83	9	1	12	8.83	4	2	12	3.50	4	2	12	3.50	27	16	2	2	1.66	0.67	135
5	8	8	9.33	4	1	12	8.83	7	1	12	8.83	4	2	12	3.50	4	2	12	3.50	36	0	2	2	1.66	0.64	118
10	8	8	9.33	4	1	12	8.83	8	1	12	8.83	4	2	12	3.50	4	2	12	3.50	36	0	2	2	1.66	0.64	123
20	10	8	9.33	4	1	12	8.83	7	2	6	8.83	4	2	12	3.50	4	2	12	3.50	36	0	2	2	1.66	0.70	136
30	14	8	9.33	4	1	12	8.83	9	1	12	8.83	4	2	12	3.50	4	2	12	3.50	36	0	2	2	1.66	0.81	130
40	17	8	9.33	4	1	12	8.83	9	1	12	8.83	4	2	12	3.50	4	2	12	3.50	36	0	2	2	1.66	0.90	130
50	20	8	9.33	4	1	12	8.83	9	1	12	8.83	4	2	12	3.50	4	2	12	3.50	36	0	2	2	1.66	0.98	130
60	22	8	9.33	4	1	12	8.83	7	2	6	8.83	4	2	12	3.50	4	2	12	3.50	36	0	2	2	1.66	1.04	136

1 @ 8 x 6 REINFORCED CONCRETE SLAB BRIDGE

Fill Height ft.	Dimensions ST in.	WT in.	BW ft.	Bars TST Size	No.	Spacing in.	Length ft.	Bars TSB Size	No.	Spacing in.	Length ft.	Bars EWE Size	No.	Spacing in.	Length ft.	Bar EWI Size	No.	Spacing in.	Length ft.	Bars LNT No.	Bars LND No.	Bars WS No.	Bars WF No.	Bars EWF Length ft.	Concrete CY/LF	Reinf. Steel LB/LF
No Fill	9.5	8	9.33	4	1	12	8.83	6	2	6	8.83	4	2	12	4.50	4	2	12	4.50	31	16	2	2	1.66	0.73	136
3	9	8	9.33	4	1	12	8.83	9	1	12	8.83	4	2	12	4.50	4	2	12	4.50	31	16	2	2	1.66	0.72	139
5	8	8	9.33	4	1	12	8.83	7	1	12	8.83	4	2	12	4.50	4	2	12	4.50	40	0	2	2	1.66	0.69	123
10	8	8	9.33	4	1	12	8.83	8	1	12	8.83	4	2	12	4.50	4	2	12	4.50	40	0	2	2	1.66	0.69	129
20	10	8	9.33	4	1	12	8.83	7	2	6	8.83	4	2	12	4.50	4	2	12	4.50	40	0	2	2	1.66	0.75	142
30	14	8	9.33	4	1	12	8.83	9	1	12	8.83	4	2	12	4.50	4	2	12	4.50	40	0	2	2	1.66	0.86	135
40	17	8	9.33	4	1	12	8.83	9	1	12	8.83	4	2	12	4.50	4	2	12	4.50	40	0	2	2	1.66	0.95	135
50	20	9	9.50	4	1	12	9.00	9	1	12	9.00	4	2	12	4.50	4	2	12	4.50	40	0	2	2	1.75	1.08	136
60	22	9	9.50	4	1	12	9.00	7	2	6	9.00	4	2	12	4.50	4	2	12	4.50	40	0	2	2	1.75	1.14	142

1 @ 8 x 7 REINFORCED CONCRETE SLAB BRIDGE

Fill Height ft.	Dimensions ST in.	WT in.	BW ft.	Bars TST Size	No.	Spacing in.	Length ft.	Bars TSB Size	No.	Spacing in	Length ft.	Bars EWE Size	No.	Spacing in.	Length ft.	Bar EWI Size	No.	Spacing in.	Length ft.	Bars LNT No.	Bars LND No.	Bars WS No.	Bars WF No.	Bars EWF Length ft.	Concrete CY/LF	Reinf. Steel LB/LF
No Fill	9.5	8	9.33	4	1	12	8.83	6	2	6	8.83	4	2	12	5.50	4	2	12	5.50	35	16	2	2	1.66	0.78	142
3	9	8	9.33	4	1	12	8.83	9	1	12	8.83	4	2	12	5.50	4	2	12	5.50	35	16	2	2	1.66	0.77	145
5	8	8	9.33	4	1	12	8.83	7	1	12	8.83	4	2	12	5.50	4	2	12	5.50	44	0	2	2	1.66	0.74	128
10	8	8	9.33	4	1	12	8.83	8	1	12	8.83	4	2	12	5.50	4	2	12	5.50	44	0	2	2	1.66	0.74	134
20	10	8	9.33	4	1	12	8.83	7	2	6	8.83	4	2	12	5.50	4	2	12	5.50	44	0	2	2	1.66	0.80	146
30	14	8	9.33	4	1	12	8.83	9	1	12	8.83	4	2	12	5.50	4	2	12	5.50	44	0	2	2	1.66	0.91	144
40	17	9	9.50	4	1	12	9.00	9	1	12	9.00	4	2	12	5.50	5	2	12	5.50	44	0	2	2	1.75	1.05	145
50	20	10	9.67	4	1	12	9.16	9	1	12	9.16	4	2	12	5.50	4	2	12	5.50	44	0	2	2	1.83	1.19	142
60	22	11	9.83	4	1	12	9.33	7	2	6	9.33	4	2	12	5.50	4	2	12	5.50	44	0	2	2	1.91	1.30	149

1 @ 8 x 8 REINFORCED CONCRETE SLAB BRIDGE

Fill Height ft.	Dimensions ST in.	WT in.	BW ft.	Bars TST Size	No.	Spacing in.	Length ft.	Bars TSB Size	No.	Spacing in.	Length ft.	Bars EWE Size	No.	Spacing in.	Length ft.	Bar EWI Size	No.	Spacing in.	Length ft.	Bars LNT No.	Bars LND No.	Bars WS No.	Bars WF No.	Bars EWF Length ft.	Concrete CY/LF	Reinf. Steel LB/LF
No Fill	9.5	8	9.33	4	1	12	8.83	6	2	6	8.83	4	2	12	6.50	4	2	12	6.50	39	16	2	2	1.66	0.83	147
3	9	8	9.33	4	1	12	8.83	9	1	12	8.83	4	2	12	6.50	4	2	12	6.50	39	16	2	2	1.66	0.82	151
5	8	8	9.33	4	1	12	8.83	7	1	12	8.83	4	2	12	6.50	4	2	12	6.50	48	0	2	2	1.66	0.79	134
10	8	8	9.33	4	1	12	8.83	8	1	12	8.83	4	2	12	6.50	5	2	12	6.50	48	0	2	2	1.66	0.79	144
20	10	8	9.33	4	1	12	8.83	7	2	6	8.83	4	2	12	6.50	4	4	6	6.50	48	0	2	2	1.66	0.84	161
30	14	9	9.50	4	1	12	9.00	9	1	12	9.00	4	2	12	6.50	4	4	6	6.50	48	0	2	2	1.75	1.02	155
40	17	10	9.67	4	1	12	9.16	9	1	12	9.16	4	2	12	6.50	4	4	6	6.50	48	0	2	2	1.83	1.16	156
50	20	11	9.83	4	1	12	9.33	9	1	12	9.33	4	2	12	6.50	4	4	6	6.50	48	0	2	2	1.91	1.31	157
60	22	13	10.17	4	1	12	9.66	7	2	6	9.66	4	2	12	6.50	5	2	12	6.50	50	0	2	2	2.08	1.49	162

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 8'-0" CLEAR HEIGHTS 5'-0" THRU 8'-0" 0'" THRU 60' FILL 2000

CORRECT Edward P. Wasserman
ENGINEER OF STRUCTURES

STD-15-97

DESIGNED BY _____ DATE _____
DRAWN BY KEVIN MARTINKO DATE 3-00
SUPERVISED BY FIELDS & HOLLORAN DATE 3-00
CHECKED BY _____ DATE _____

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