CONST. NO.

PROJECT NO.	YEAR	SHEET NO.
	2010	

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION

1 @ 10 x 4 REINFORCED CONCRETE SLAB BRIDGE

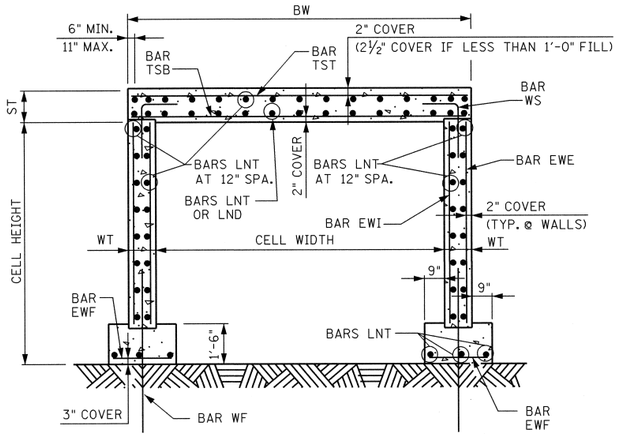
Fill Height ft.	Dimensions ST in.	WT in.	BW ft.	Bars TST Size	No.	Spacing in.	Length ft.	Bars TSB Size	No.	Spacing in.	Length ft.	Bars EWE Size	No.	Spacing in.	Length ft.	Bars EWI Size	No.	Spacing in.	Length ft.	Bars LNT No.	Bars LND No.	Bars WS No.	Bars WF No.	Bars EWF Length ft.	Concrete CY/LF	Reinf. Steel LB/LF
No Fill	10.5	8	11.33	4	1	12	10.83	7	2	6	10.83	4	2	12	2.50	5	2	12	2.50	25	20	2	2	1.67	0.73	151
3	12	8	11.33	4	1	12	10.83	7	2	6	10.83	4	2	12	2.50	5	2	12	2.50	25	20	2	2	1.67	0.78	151
5	10	8	11.33	4	1	12	10.83	7	2	6	10.83	4	2	12	2.50	5	2	12	2.50	36	0	2	2	1.67	0.71	145
10	10	8	11.33	4	1	12	10.83	8	2	6	10.83	4	2	12	2.50	5	2	12	2.50	36	0	2	2	1.67	0.71	159
20	12	8	11.33	4	1	12	10.83	8	2	6	10.83	4	2	12	2.50	5	2	12	2.50	36	0	2	2	1.67	0.78	159
30	18	8	11.33	4	1	12	10.83	7	2	6	10.83	4	2	12	2.50	5	2	12	2.50	36	0	2	2	1.67	0.99	145
40	22	8	11.33	4	1	12	10.83	7	2	6	10.83	4	2	12	2.50	5	2	12	2.50	36	0	2	2	1.67	1.13	145
50	25	8	11.33	4	1	12	10.83	8	2	6	10.83	4	2	12	2.50	5	2	12	2.50	36	0	2	2	1.67	1.24	159
60	29	8	11.33	4	1	12	10.83	8	2	6	10.83	4	2	12	2.50	5	2	12	2.50	36	0	2	2	1.67	1.38	159

1 @ 10 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.	Bars 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	10.5	8	11.33	4	1	12	10.83	7	2	6	10.83	4	2	12	3.50	5	2	12	3.50	29	20	2	2	1.67	0.78	157
3	12	8	11.33	4	1	12	10.83	7	2	6	10.83	4	2	12	3.50	5	2	12	3.50	29	20	2	2	1.67	0.83	157
5	10	8	11.33	4	1	12	10.83	7	2	6	10.83	4	2	12	3.50	5	2	12	3.50	40	0	2	2	1.67	0.76	151
10	10	8	11.33	4	1	12	10.83	8	2	6	10.83	4	2	12	3.50	5	2	12	3.50	40	0	2	2	1.67	0.76	165
20	12	8	11.33	4	1	12	10.83	8	2	6	10.83	4	2	12	3.50	5	2	12	3.50	40	0	2	2	1.67	0.83	165
30	18	8	11.33	4	1	12	10.83	7	2	6	10.83	4	2	12	3.50	5	2	12	3.50	40	0	2	2	1.67	1.04	151
40	22	8	11.33	4	1	12	10.83	7	2	6	10.83	4	2	12	3.50	5	2	12	3.50	40	0	2	2	1.67	1.18	151
50	25	8	11.33	4	1	12	10.83	8	2	6	10.83	4	2	12	3.50	5	2	12	3.50	40	0	2	2	1.67	1.29	165
60	29	8	11.33	4	1	12	10.83	8	2	6	10.83	4	2	12	3.50	5	2	12	3.50	40	0	2	2	1.67	1.43	165

1 @ 10 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.	Bars 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	10.5	8	11.33	4	1	12	10.83	7	2	6	10.83	4	2	12	4.50	5	2	12	4.50	33	20	2	2	1.67	0.83	163
3	12	8	11.33	4	1	12	10.83	7	2	6	10.83	4	2	12	4.50	5	2	12	4.50	33	20	2	2	1.67	0.88	163
5	10	8	11.33	4	1	12	10.83	7	2	6	10.83	4	2	12	4.50	5	2	12	4.50	44	0	2	2	1.67	0.81	157
10	10	8	11.33	4	1	12	10.83	8	2	6	10.83	4	2	12	4.50	5	2	12	4.50	44	0	2	2	1.67	0.81	171
20	12	8	11.33	4	1	12	10.83	8	2	6	10.83	4	2	12	4.50	5	2	12	4.50	44	0	2	2	1.67	0.88	171
30	18	8	11.33	4	1	12	10.83	7	2	6	10.83	4	2	12	4.50	5	2	12	4.50	44	0	2	2	1.67	1.09	157
40	22	8	11.33	4	1	12	10.83	7	2	6	10.83	4	2	12	4.50	5	2	12	4.50	44	0	2	2	1.67	1.23	157
50	25	9	11.50	4	1	12	11.00	8	2	6	11.00	4	2	12	4.50	5	2	12	4.50	44	0	2	2	1.75	1.39	172
60	29	9	11.50	4	1	12	11.00	8	2	6	11.00	4	2	12	4.50	5	2	12	4.50	44	0	2	2	1.75	1.53	172



TYPICAL SECTION

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 height of fill above the top slab is less than 1 foot, the top mat of reinforcing in the top slab shall be constructed with 2-1/2 inches of concrete cover.

The following bar information applies to all fill cases in the tables 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-17-5.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

STANDARD REINFORCED CONCRETE SLAB BRIDGE INTERIOR SECTION SPANS: 1 BARREL AT 10'-0" CLEAR HEIGHTS 4'-0" THRU 6'-0" 0' THRU 60' FILL 2010

CORRECT Edward P. Wasserman
ENGINEER OF STRUCTURES

STD-17-114

DESIGNED BY	RLL/ALP	DATE	12-09
DRAWN BY	KEVIN MARTINKO	DATE	1-10
SUPERVISED BY	EPW/RLC	DATE	12-09
CHECKED BY	RLL/ALP	DATE	2-10

Plot Scale = 1.0000 '/ Inch
Plot Date = 2/26/2010
Plot By = KMartinko
C:\Projects\Standards\Tables\1-6-10\10'Span\STD-17-114115_1barrel_slab10'.dgn