CONST. NO. _____

PROJECT NO.	YEAR	SHEET NO.
	2010	

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION

1 @ 16 x 6 REINFORCED CONCRETE SLAB BRIDGE

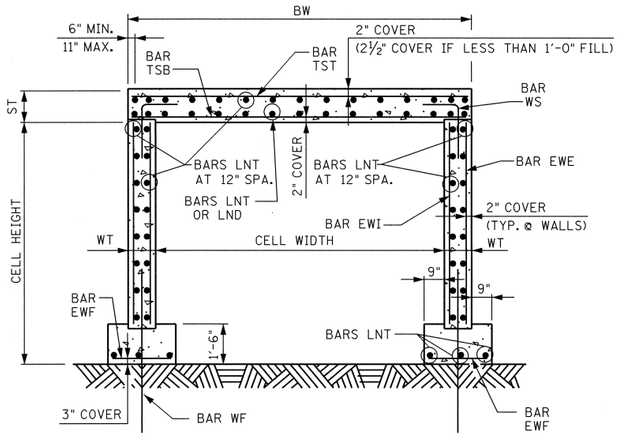
Fill Height ft.	Dimensions ST in.	WT in.	BW ft.	Bars TST Size	No.	Spacing in.	Length ft.	Bars TSB Size	No.	Spacing in.	Length ft.	Bars EWE Size	No.	Spacing in.	Length ft.	Bars EWI Size	No.	Spacing in.	Length ft.	Bars LNT No.	Bars LND No.	Bars WS No.	Bars WF No.	Bars EWF Length ft.	Concrete CY/LF	Reinf. Steel LB/LF
No Fill	11.5	8	17.33	4	1	12	16.83	9	2	6	16.83	4	2	12	4.50	5	2	12	4.50	39	32	2	2	1.67	1.08	262
3	14	8	17.33	4	1	12	16.83	8	2	6	16.83	4	2	12	4.50	5	2	12	4.50	39	32	2	2	1.67	1.21	237
5	14	8	17.33	4	1	12	16.83	8	2	6	16.83	4	2	12	4.50	5	2	12	4.50	56	0	2	2	1.67	1.21	215
10	15	8	17.33	4	1	12	16.83	9	2	6	16.83	4	2	12	4.50	5	2	12	4.50	56	0	2	2	1.67	1.27	239
20	19	8	17.33	4	1	12	16.83	10	2	6	16.83	4	2	12	4.50	5	2	12	4.50	56	0	2	2	1.67	1.48	270
30	26	8	17.33	4	1	12	16.83	9	2	6	16.83	4	2	12	4.50	5	2	12	4.50	56	0	2	2	1.67	1.85	239
40	32	8	17.33	4	1	12	16.83	9	2	6	16.83	4	2	12	4.50	5	2	12	4.50	56	0	2	2	1.67	2.17	239
50	37	8	17.33	4	1	12	16.83	10	2	6	16.83	4	2	12	4.50	5	2	12	4.50	56	0	2	2	1.67	2.44	270
60	41	9	17.50	4	1	12	17.00	10	2	6	17.00	4	2	12	4.50	5	2	12	4.50	56	0	2	2	1.75	2.71	272

1 @ 16 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.	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	11.5	8	17.33	4	1	12	16.83	9	2	6	16.83	4	2	12	5.50	5	2	12	5.50	43	32	2	2	1.67	1.13	268
3	14	8	17.33	4	1	12	16.83	8	2	6	16.83	4	2	12	5.50	5	2	12	5.50	43	32	2	2	1.67	1.26	243
5	14	8	17.33	4	1	12	16.83	8	2	6	16.83	4	2	12	5.50	5	2	12	5.50	60	0	2	2	1.67	1.26	221
10	15	8	17.33	4	1	12	16.83	9	2	6	16.83	4	2	12	5.50	5	2	12	5.50	60	0	2	2	1.67	1.31	246
20	19	8	17.33	4	1	12	16.83	10	2	6	16.83	4	2	12	5.50	5	2	12	5.50	60	0	2	2	1.67	1.53	276
30	26	8	17.33	4	1	12	16.83	9	2	6	16.83	4	2	12	5.50	5	2	12	5.50	60	0	2	2	1.67	1.90	246
40	32	9	17.50	4	1	12	17.00	9	2	6	17.00	4	2	12	5.50	5	2	12	5.50	60	0	2	2	1.75	2.28	247
50	37	9	17.50	4	1	12	17.00	10	2	6	17.00	4	2	12	5.50	5	2	12	5.50	60	0	2	2	1.75	2.55	278
60	41	10	17.67	4	1	12	17.17	10	2	6	17.17	4	2	12	5.50	5	2	12	5.50	60	0	2	2	1.83	2.83	279

1 @ 16 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.	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	11.5	8	17.33	4	1	12	16.83	9	2	6	16.83	4	2	12	6.50	5	2	12	6.50	47	32	2	2	1.67	1.18	274
3	14	8	17.33	4	1	12	16.83	8	2	6	16.83	4	2	12	6.50	5	2	12	6.50	47	32	2	2	1.67	1.31	249
5	14	8	17.33	4	1	12	16.83	8	2	6	16.83	4	2	12	6.50	5	2	12	6.50	64	0	2	2	1.67	1.31	227
10	15	8	17.33	4	1	12	16.83	9	2	6	16.83	4	2	12	6.50	5	2	12	6.50	64	0	2	2	1.67	1.36	252
20	19	8	17.33	4	1	12	16.83	10	2	6	16.83	4	2	12	6.50	6	2	12	6.50	64	0	2	2	1.67	1.58	288
30	26	9	17.50	4	1	12	17.00	9	2	6	17.00	4	2	12	6.50	5	2	12	6.50	64	0	2	2	1.75	2.02	253
40	32	10	17.67	4	1	12	17.17	9	2	6	17.17	4	2	12	6.50	5	2	12	6.50	64	0	2	2	1.83	2.41	254
50	37	11	17.83	4	1	12	17.33	10	2	6	17.33	4	2	12	6.50	5	2	12	6.50	64	0	2	2	1.92	2.75	287
60	41	12	18.00	4	1	12	17.50	10	2	6	17.50	4	2	12	6.50	5	2	12	6.50	66	0	2	2	2.00	3.04	290



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 = 5 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 16'-0" CLEAR HEIGHTS 6'-0" THRU 8'-0" 0' THRU 60' FILL 2010

CORRECT Edward P. Wasserman
ENGINEER OF STRUCTURES

STD-17-122

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

Plotted: 26-JAN-2010 08:03
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