CONST. NO.		
PROJECT NO.	YEAR	SHEET NO.
	2010	

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION

1 @ 14 x 5 REINFORCED CONCRETE SLAB BRIDGE

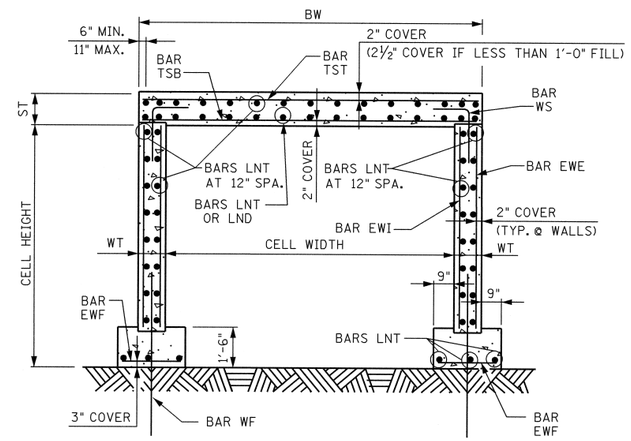
Fill Height ft.	Dimensions			Bars TST				Bars TSB				Bars EWE				Bars EWI				Bars LNT	Bars LND	Bars WS	Bars WF	Bars EWF	Concrete	Reinf. Steel
	ST in.	WT in.	BW ft.	Size	No.	Spacing in.	Length ft.	Size	No.	Spacing in.	Length ft.	Size	No.	Spacing in.	Length ft.	Size	No.	Spacing in.	Length ft.	No.	No.	No.	No.	Length ft.	CY/LF	LB/LF
No Fill	10.5	8	15.33	4	1	12	14.83	9	2	6	14.83	4	2	12	3.50	5	2	12	3.50	33	28	2	2	1.67	0.91	235
3	13	8	15.33	4	1	12	14.83	8	2	6	14.83	4	2	12	3.50	5	2	12	3.50	33	28	2	2	1.67	1.03	213
5	12	8	15.33	4	1	12	14.83	8	2	6	14.83	4	2	12	3.50	5	2	12	3.50	48	0	2	2	1.67	0.98	194
10	14	8	15.33	4	1	12	14.83	8	2	6	14.83	4	2	12	3.50	5	2	12	3.50	48	0	2	2	1.67	1.08	194
20	17	8	15.33	4	1	12	14.83	9	2	6	14.83	4	2	12	3.50	5	2	12	3.50	48	0	2	2	1.67	1.22	216
30	23	8	15.33	4	1	12	14.83	9	2	6	14.83	4	2	12	3.50	5	2	12	3.50	48	0	2	2	1.67	1.50	216
40	29	8	15.33	4	1	12	14.83	9	2	6	14.83	4	2	12	3.50	5	2	12	3.50	48	0	2	2	1.67	1.79	216
50	33	8	15.33	4	1	12	14.83	9	2	6	14.83	4	2	12	3.50	5	2	12	3.50	48	0	2	2	1.67	1.98	216
60	37	8	15.33	4	1	12	14.83	9	2	6	14.83	4	2	12	3.50	5	2	12	3.50	48	0	2	2	1.67	2.16	216

1 @ 14 x 6 REINFORCED CONCRETE SLAB BRIDGE

Fill Height ft.	Dimensions			Bars TST				Bars TSB				Bars EWE				Bars EWI				Bars LNT	Bars LND	Bars WS	Bars WF	Bars EWF	Concrete	Reinf. Steel
	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.	No.	No.	Length ft.	CY/LF	LB/LF
No Fill	10.5	8	15.33	4	1	12	14.83	9	2	6	14.83	4	2	12	4.50	5	2	12	4.50	37	28	2	2	1.67	0.96	241
3	13	8	15.33	4	1	12	14.83	8	2	6	14.83	4	2	12	4.50	5	2	12	4.50	37	28	2	2	1.67	1.08	219
5	12	8	15.33	4	1	12	14.83	8	2	6	14.83	4	2	12	4.50	5	2	12	4.50	52	0	2	2	1.67	1.03	200
10	14	8	15.33	4	1	12	14.83	8	2	6	14.83	4	2	12	4.50	5	2	12	4.50	52	0	2	2	1.67	1.13	200
20	17	8	15.33	4	1	12	14.83	9	2	6	14.83	4	2	12	4.50	5	2	12	4.50	52	0	2	2	1.67	1.27	222
30	23	8	15.33	4	1	12	14.83	9	2	6	14.83	4	2	12	4.50	5	2	12	4.50	52	0	2	2	1.67	1.55	222
40	29	8	15.33	4	1	12	14.83	9	2	6	14.83	4	2	12	4.50	5	2	12	4.50	52	0	2	2	1.67	1.84	222
50	33	8	15.33	4	1	12	14.83	9	2	6	14.83	4	2	12	4.50	5	2	12	4.50	52	0	2	2	1.67	2.02	222
60	37	9	15.50	4	1	12	15.00	9	2	6	15.00	4	2	12	4.50	5	2	12	4.50	52	0	2	2	1.75	2.27	223

1 @ 14 x 7 REINFORCED CONCRETE SLAB BRIDGE

Fill Height ft.	Dimensions			Bars TST				Bars TSB				Bars EWE				Bars EWI				Bars LNT	Bars LND	Bars WS	Bars WF	Bars EWF	Concrete	Reinf. Steel
	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.	No.	No.	Length ft.	CY/LF	LB/LF
No Fill	10.5	8	15.33	4	1	12	14.83	9	2	6	14.83	4	2	12	5.50	5	2	12	5.50	41	28	2	2	1.67	1.01	247
3	13	8	15.33	4	1	12	14.83	8	2	6	14.83	4	2	12	5.50	5	2	12	5.50	41	28	2	2	1.67	1.13	225
5	12	8	15.33	4	1	12	14.83	8	2	6	14.83	4	2	12	5.50	5	2	12	5.50	56	0	2	2	1.67	1.08	206
10	14	8	15.33	4	1	12	14.83	8	2	6	14.83	4	2	12	5.50	5	2	12	5.50	56	0	2	2	1.67	1.17	206
20	17	8	15.33	4	1	12	14.83	9	2	6	14.83	4	2	12	5.50	5	2	12	5.50	56	0	2	2	1.67	1.32	228
30	23	8	15.33	4	1	12	14.83	9	2	6	14.83	4	2	12	5.50	5	2	12	5.50	56	0	2	2	1.67	1.60	228
40	29	9	15.50	4	1	12	15.00	9	2	6	15.00	4	2	12	5.50	5	2	12	5.50	56	0	2	2	1.75	1.94	229
50	33	9	15.50	4	1	12	15.00	9	2	6	15.00	4	2	12	5.50	5	2	12	5.50	56	0	2	2	1.75	2.13	229
60	37	10	15.67	4	1	12	15.17	9	2	6	15.17	4	2	12	5.50	5	2	12	5.50	56	0	2	2	1.83	2.39	231



TYPICAL SECTION

NOTE: FOR DESCRIPTIONS OF BOX DIMENSIONS AND REINFORCING BAR DESIGNATIONS SEE STANDARD DRAWING NO. STD-17-5.

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.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
STANDARD REINFORCED CONCRETE SLAB BRIDGE
INTERIOR SECTION
SPANS: 1 BARREL AT 14'-0"
CLEAR HEIGHTS 5'-0" THRU 7'-0"
0' THRU 60' FILL
2010

CORRECT Edward P. Wasserman
ENGINEER OF STRUCTURES

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

STD-17-119

DGN: d:\TN3_standards\tables\1-6-10\Off Fold Culvert Files 1-6-10\14' Span\STD-17-119¢120¢121_1barrel_slab14'.dgn