CONST. NO. _____

PROJECT NO.	YEAR	SHEET NO.
	2010	

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION

1 @ 8 x 6 REINFORCED CONCRETE SLAB BRIDGE

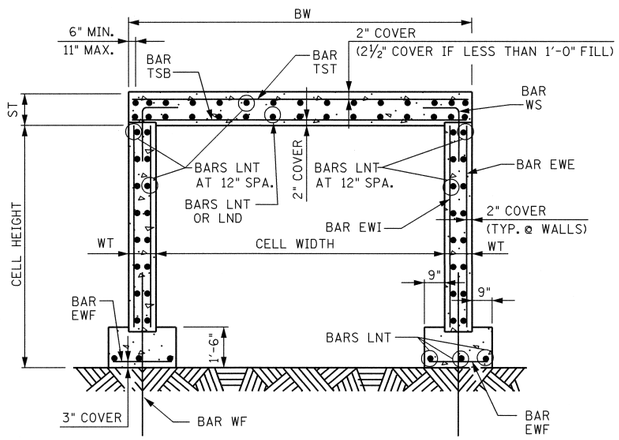
Fill Height ft.	Dimensions ST in.	WT in.	BW ft.	Bars TST Size	No.	Spacing in.	Length ft.	Bars TSB Size	No.	Spacing in.	Length ft.	Bars EWE Size	No.	Spacing in.	Length ft.	Bars EWI Size	No.	Spacing in.	Length ft.	Bars LNT No.	Bars LND No.	Bars WS No.	Bars WF No.	Bars EWF Length ft.	Concrete CY/LF	Reinf. Steel LB/LF
No Fill	9.5	8	9.33	4	1	12	8.83	6	2	6	8.83	4	2	12	4.50	5	2	12	4.50	31	16	2	2	1.67	0.74	146
3	11	8	9.33	4	1	12	8.83	7	2	6	8.83	4	2	12	4.50	5	2	12	4.50	31	16	2	2	1.67	0.78	156
5	9	8	9.33	4	1	12	8.83	7	2	6	8.83	4	2	12	4.50	5	2	12	4.50	40	0	2	2	1.67	0.72	145
10	9	8	9.33	4	1	12	8.83	8	2	6	8.83	4	2	12	4.50	5	2	12	4.50	40	0	2	2	1.67	0.72	156
20	10	8	9.33	4	1	12	8.83	7	2	6	8.83	4	2	12	4.50	5	2	12	4.50	40	0	2	2	1.67	0.75	145
30	14	8	9.33	4	1	12	8.83	7	2	6	8.83	4	2	12	4.50	5	2	12	4.50	40	0	2	2	1.67	0.87	145
40	18	8	9.33	4	1	12	8.83	7	2	6	8.83	4	2	12	4.50	5	2	12	4.50	40	0	2	2	1.67	0.98	145
50	21	9	9.50	4	1	12	9.00	7	2	6	9.00	4	2	12	4.50	5	2	12	4.50	40	0	2	2	1.75	1.12	146
60	24	9	9.50	4	1	12	9.00	7	2	6	9.00	4	2	12	4.50	5	2	12	4.50	40	0	2	2	1.75	1.20	146

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.	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	9.5	8	9.33	4	1	12	8.83	6	2	6	8.83	4	2	12	5.50	5	2	12	5.50	35	16	2	2	1.67	0.79	152
3	11	8	9.33	4	1	12	8.83	7	2	6	8.83	4	2	12	5.50	5	2	12	5.50	35	16	2	2	1.67	0.83	162
5	9	8	9.33	4	1	12	8.83	7	2	6	8.83	4	2	12	5.50	5	2	12	5.50	44	0	2	2	1.67	0.77	151
10	9	8	9.33	4	1	12	8.83	8	2	6	8.83	4	2	12	5.50	5	2	12	5.50	44	0	2	2	1.67	0.77	162
20	10	8	9.33	4	1	12	8.83	7	2	6	8.83	4	2	12	5.50	5	2	12	5.50	44	0	2	2	1.67	0.80	151
30	14	8	9.33	4	1	12	8.83	7	2	6	8.83	4	2	12	5.50	5	2	12	5.50	44	0	2	2	1.67	0.92	151
40	18	9	9.50	4	1	12	9.00	7	2	6	9.00	4	2	12	5.50	6	2	12	5.50	44	0	2	2	1.75	1.08	157
50	21	10	9.67	4	1	12	9.17	7	2	6	9.17	4	2	12	5.50	5	2	12	5.50	44	0	2	2	1.83	1.23	153
60	24	11	9.83	4	1	12	9.33	7	2	6	9.33	4	2	12	5.50	5	2	12	5.50	44	0	2	2	1.92	1.37	154

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.	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	9.5	8	9.33	4	1	12	8.83	6	2	6	8.83	4	2	12	6.50	5	2	12	6.50	39	16	2	2	1.67	0.84	158
3	11	8	9.33	4	1	12	8.83	7	2	6	8.83	4	2	12	6.50	5	2	12	6.50	39	16	2	2	1.67	0.88	168
5	9	8	9.33	4	1	12	8.83	7	2	6	8.83	4	2	12	6.50	5	2	12	6.50	48	0	2	2	1.67	0.82	157
10	9	8	9.33	4	1	12	8.83	8	2	6	8.83	4	2	12	6.50	6	2	12	6.50	48	0	2	2	1.67	0.82	174
20	10	8	9.33	4	1	12	8.83	7	2	6	8.83	4	2	12	6.50	5	4	6	6.50	48	0	2	2	1.67	0.85	171
30	14	9	9.50	4	1	12	9.00	7	2	6	9.00	4	2	12	6.50	5	4	6	6.50	48	0	2	2	1.75	1.02	172
40	18	10	9.67	4	1	12	9.17	7	2	6	9.17	4	2	12	6.50	5	4	6	6.50	48	0	2	2	1.83	1.20	173
50	21	11	9.83	4	1	12	9.33	7	2	6	9.33	4	2	12	6.50	5	4	6	6.50	48	0	2	2	1.92	1.35	174
60	24	13	10.17	4	1	12	9.67	7	2	6	9.67	4	2	12	6.50	6	2	12	6.50	50	0	2	2	2.08	1.56	169



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

CORRECT Edward P. Wasserman
ENGINEER OF STRUCTURES

STD-17-113

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

DGN_SPEC: spec_tnbaseus\tables\1-6-10\Offrdd\Culvert Files 1-6-10\8' Span\STD-17-112&113_1barrel_slab8'.dgn
Plot Date: 2/10/10
Time: 10:30