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

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION

1 @ 12 x10 REINFORCED CONCRETE SLAB BRIDGE

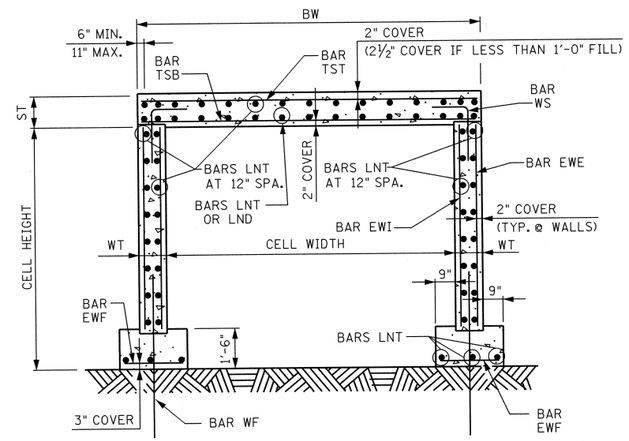
Fill Height ft.	Dimensions ST in.	WT in.	BW ft.	Bars TST Size	No.	Spacing in.	Length ft.	Bars TSB Size	No.	Spacing in.	Length ft.	Bars EWE Size	No.	Spacing in.	Length ft.	Bars EWI Size	No.	Spacing in.	Length ft.	Bars LNT No.	Bars LND No.	Bars WS No.	Bars WF No.	Bars EWF Length ft.	Concrete CY/LF	Reinf. Steel LB/LF
No Fill	10.5	8	13.33	4	1	12	12.83	7	2	6	12.83	4	2	12	8.50	5	2	12	8.50	51	24	2	2	1.67	1.09	210
3	13	8	13.33	4	1	12	12.83	8	2	6	12.83	4	2	12	8.50	5	2	12	8.50	51	24	2	2	1.67	1.20	226
5	11	8	13.33	4	1	12	12.83	8	2	6	12.83	4	2	12	8.50	6	2	12	8.50	64	0	2	2	1.67	1.11	218
10	11	8	13.33	4	1	12	12.83	9	2	6	12.83	4	2	12	8.50	5	4	6	8.50	64	0	2	2	1.67	1.11	246
20	16	9	13.50	4	1	12	13.00	9	2	6	13.00	4	2	12	8.50	6	4	6	8.50	64	0	2	2	1.75	1.39	263
30	21	11	13.83	4	1	12	13.33	8	2	6	13.33	4	2	12	8.50	6	4	6	8.50	64	0	2	2	1.92	1.74	247
40	26	13	14.17	4	1	12	13.67	8	2	6	13.67	4	2	12	8.50	6	4	6	8.50	66	0	2	2	2.08	2.11	250
50	31	14	14.33	4	1	12	13.83	8	2	6	13.83	4	2	12	8.50	6	4	6	8.50	66	0	2	2	2.17	2.40	251
60	34	15	14.50	4	1	12	14.00	9	2	6	14.00	4	2	12	8.50	7	2	12	8.50	66	0	2	2	2.25	2.61	256

1 @ 12 x11 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	13.33	4	1	12	12.83	7	2	6	12.83	4	2	12	9.50	5	2	12	9.50	59	24	2	2	1.67	1.14	219
3	13	8	13.33	4	1	12	12.83	8	2	6	12.83	4	2	12	9.50	6	2	12	9.50	59	24	2	2	1.67	1.24	244
5	11	8	13.33	4	1	12	12.83	8	2	6	12.83	4	2	12	9.50	5	2	12	9.50	72	0	2	2	1.67	1.16	219
10	11	8	13.33	4	1	12	12.83	9	2	6	12.83	4	2	12	9.50	7	4	6	9.50	72	0	2	2	1.67	1.16	295
20	16	10	13.67	4	1	12	13.17	9	2	6	13.17	4	2	12	9.50	7	4	6	9.50	72	0	2	2	1.83	1.52	298
30	21	12	14.00	4	1	12	13.50	8	2	6	13.50	4	2	12	9.50	7	4	6	9.50	74	0	2	2	2.00	1.89	282
40	26	14	14.33	4	1	12	13.83	8	2	6	13.83	4	2	12	9.50	6	4	6	9.50	74	0	2	2	2.17	2.27	264
50	31	15	14.50	4	1	12	14.00	8	2	6	14.00	4	2	12	9.50	6	4	6	9.50	74	0	2	2	2.25	2.57	265
60	34	17	14.83	4	1	12	14.33	9	2	6	14.33	4	2	12	9.50	6	4	6	9.50	76	0	2	2	2.42	2.88	290

1 @ 12 x12 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	13.33	4	1	12	12.83	7	2	6	12.83	4	2	12	10.50	6	2	12	10.50	59	24	2	2	1.67	1.19	232
3	13	8	13.33	4	1	12	12.83	8	2	6	12.83	4	2	12	10.50	6	2	12	10.50	59	24	2	2	1.67	1.29	248
5	11	8	13.33	4	1	12	12.83	8	2	6	12.83	4	2	12	10.50	6	4	6	10.50	72	0	2	2	1.67	1.21	263
10	11	9	13.50	4	1	12	13.00	9	2	6	13.00	4	2	12	10.50	7	4	6	10.50	72	0	2	2	1.75	1.29	306
20	16	11	13.83	4	1	12	13.33	9	2	6	13.33	4	2	12	10.50	7	4	6	10.50	72	0	2	2	1.92	1.66	309
30	21	13	14.17	4	1	12	13.67	8	2	6	13.67	4	2	12	10.50	7	4	6	10.50	74	0	2	2	2.08	2.05	293
40	26	15	14.50	4	1	12	14.00	8	2	6	14.00	4	2	12	10.50	7	4	6	10.50	74	0	2	2	2.25	2.44	295
50	31	17	14.83	4	1	12	14.33	8	2	6	14.33	4	2	12	10.50	7	4	6	10.50	74	0	2	2	2.42	2.85	297
60	34	19	15.17	4	1	12	14.67	9	2	6	14.67	4	2	12	10.50	6	4	6	10.50	76	0	2	2	2.58	3.17	300



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 12'-0"
CLEAR HEIGHTS 10'-0" THRU 12'-0"
0' THRU 60' FILL
2010

CORRECT Edward P. Wasserman
ENGINEER OF STRUCTURES

STD-17-118

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_2010
Dgn_orig=$rdbuxes\tables\1-6-10\Offield Culvert Files 1-6-10\12-Span\STD-17-116&117&118_1barrel_slab12'.dgn