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

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION

1 @ 12 x 7 REINFORCED CONCRETE SLAB BRIDGE

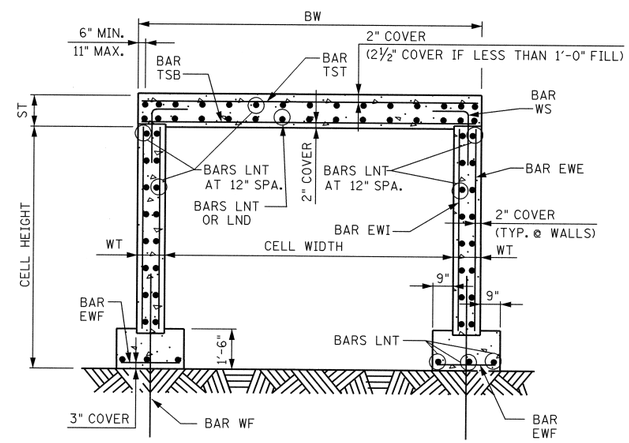
Fill Height ft.	Dimensions ST in.	WT in.	BW ft.	Bars TST Size	No.	Spacing in.	Length ft.	Bars TSB Size	No.	Spacing in.	Length ft.	Bars EWE Size	No.	Spacing in.	Length ft.	Bars EWI Size	No.	Spacing in.	Length ft.	Bars LNT No.	Bars LND No.	Bars WS No.	Bars WF No.	Bars EWF Length ft.	Concrete CY/LF	Reinf. Steel LB/LF
No Fill	10.5	8	13.33	4	1	12	12.83	7	2	6	12.83	4	2	12	5.50	5	2	12	5.50	39	24	2	2	1.67	0.94	192
3	13	8	13.33	4	1	12	12.83	8	2	6	12.83	4	2	12	5.50	5	2	12	5.50	39	24	2	2	1.67	1.05	208
5	11	8	13.33	4	1	12	12.83	8	2	6	12.83	4	2	12	5.50	5	2	12	5.50	52	0	2	2	1.67	0.97	192
10	11	8	13.33	4	1	12	12.83	9	2	6	12.83	4	2	12	5.50	5	2	12	5.50	52	0	2	2	1.67	0.97	210
20	16	8	13.33	4	1	12	12.83	9	2	6	12.83	4	2	12	5.50	5	2	12	5.50	52	0	2	2	1.67	1.17	210
30	21	8	13.33	4	1	12	12.83	8	2	6	12.83	4	2	12	5.50	5	2	12	5.50	52	0	2	2	1.67	1.38	192
40	26	9	13.50	4	1	12	13.00	8	2	6	13.00	4	2	12	5.50	5	2	12	5.50	52	0	2	2	1.75	1.64	193
50	31	10	13.67	4	1	12	13.17	8	2	6	13.17	4	2	12	5.50	5	2	12	5.50	52	0	2	2	1.83	1.91	194
60	34	10	13.67	4	1	12	13.17	9	2	6	13.17	4	2	12	5.50	5	2	12	5.50	52	0	2	2	1.83	2.03	213

1 @ 12 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	10.5	8	13.33	4	1	12	12.83	7	2	6	12.83	4	2	12	6.50	5	2	12	6.50	43	24	2	2	1.67	0.99	198
3	13	8	13.33	4	1	12	12.83	8	2	6	12.83	4	2	12	6.50	5	2	12	6.50	43	24	2	2	1.67	1.10	214
5	11	8	13.33	4	1	12	12.83	8	2	6	12.83	4	2	12	6.50	5	2	12	6.50	56	0	2	2	1.67	1.01	198
10	11	8	13.33	4	1	12	12.83	9	2	6	12.83	4	2	12	6.50	5	2	12	6.50	56	0	2	2	1.67	1.01	216
20	16	8	13.33	4	1	12	12.83	9	2	6	12.83	4	2	12	6.50	6	2	12	6.50	56	0	2	2	1.67	1.22	222
30	21	9	13.50	4	1	12	13.00	8	2	6	13.00	4	2	12	6.50	6	2	12	6.50	56	0	2	2	1.75	1.49	205
40	26	10	13.67	4	1	12	13.17	8	2	6	13.17	4	2	12	6.50	6	2	12	6.50	56	0	2	2	1.83	1.76	206
50	31	11	13.83	4	1	12	13.33	8	2	6	13.33	4	2	12	6.50	5	2	12	6.50	56	0	2	2	1.92	2.03	201
60	34	12	14.00	4	1	12	13.50	9	2	6	13.50	4	2	12	6.50	5	2	12	6.50	58	0	2	2	2.00	2.23	223

1 @ 12 x 9 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	7.50	5	2	12	7.50	47	24	2	2	1.67	1.04	204
3	13	8	13.33	4	1	12	12.83	8	2	6	12.83	4	2	12	7.50	5	2	12	7.50	47	24	2	2	1.67	1.15	220
5	11	8	13.33	4	1	12	12.83	8	2	6	12.83	4	2	12	7.50	5	2	12	7.50	60	0	2	2	1.67	1.06	204
10	11	8	13.33	4	1	12	12.83	9	2	6	12.83	4	2	12	7.50	6	2	12	7.50	60	0	2	2	1.67	1.06	229
20	16	8	13.33	4	1	12	12.83	9	2	6	12.83	4	2	12	7.50	6	4	6	7.50	60	0	2	2	1.67	1.27	252
30	21	10	13.67	4	1	12	13.17	8	2	6	13.17	4	2	12	7.50	5	4	6	7.50	60	0	2	2	1.83	1.61	222
40	26	11	13.83	4	1	12	13.33	8	2	6	13.33	4	2	12	7.50	7	2	12	7.50	60	0	2	2	1.92	1.89	222
50	31	13	14.17	4	1	12	13.67	8	2	6	13.67	4	2	12	7.50	6	2	12	7.50	62	0	2	2	2.08	2.24	218
60	34	14	14.33	4	1	12	13.83	9	2	6	13.83	4	2	12	7.50	6	2	12	7.50	62	0	2	2	2.17	2.45	239



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 7'-0" THRU 9'-0"
0' THRU 60' FILL
2010

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

CORRECT Edward P. Wasserman
ENGINEER OF STRUCTURES

STD-17-117

DGN File path:\\tdot8ossas\folders\1-6-10\12' Span\STD-17-116&117&118_1barrel_slab12'.dgn
Date: 2-26-2010
Time: 10:06:00