1 @ 6 x 3 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.	Bar 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	8.5	8	7.33	4	1	12	6.83	6	2	6	6.83	4	2	12	1.50	4	2	12	1.50	17	12	2	2	1.66	0.50	109
3	8	8	7.33	4	1	12	6.83	6	2	6	6.83	4	2	12	1.50	4	2	12	1.50	17	12	2	2	1.66	0.49	109
5	8	8	7.33	4	1	12	6.83	4	2	6	6.83	4	2	12	1.50	4	2	12	1.50	24	0	2	2	1.66	0.49	94
10	8	8	7.33	4	1	12	6.83	4	2	6	6.83	4	2	12	1.50	4	2	12	1.50	24	0	2	2	1.66	0.49	94
20	8	8	7.33	4	1	12	6.83	6	2	6	6.83	4	2	12	1.50	4	2	12	1.50	24	0	2	2	1.66	0.49	106
30	11	8	7.33	4	1	12	6.83	8	1	12	6.83	4	2	12	1.50	4	2	12	1.50	24	0	2	2	1.66	0.56	103
40	14	8	7.33	4	1	12	6.83	8	1	12	6.83	4	2	12	1.50	4	2	12	1.50	24	0	2	2	1.66	0.63	103
50	16	8	7.33	4	1	12	6.83	8	1	12	6.83	4	2	12	1.50	4	2	12	1.50	24	0	2	2	1.66	0.67	103
60	17	8	7.33	4	1	12	6.83	6	2	6	6.83	4	2	12	1.50	4	2	12	1.50	24	0	2	2	1.66	0.69	106

1 @ 6 x 4 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.	Bar 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	8.5	8	7.33	4	1	12	6.83	6	2	6	6.83	4	2	12	2.50	4	2	12	2.50	21	12	2	2	1.66	0.55	114
3	8	8	7.33	4	1	12	6.83	6	2	6	6.83	4	2	12	2.50	4	2	12	2.50	21	12	2	2	1.66	0.54	114
5	8	8	7.33	4	1	12	6.83	4	2	6	6.83	4	2	12	2.50	4	2	12	2.50	28	0	2	2	1.66	0.54	100
10	8	8	7.33	4	1	12	6.83	4	2	6	6.83	4	2	12	2.50	4	2	12	2.50	28	0	2	2	1.66	0.54	100
20	8	8	7.33	4	1	12	6.83	6	2	6	6.83	4	2	12	2.50	4	2	12	2.50	28	0	2	2	1.66	0.54	111
30	11	8	7.33	4	1	2	6.83	8	1	12	6.83	4	2	12	2.50	4	2	12	2.50	28	0	2	2	1.66	0.61	109
40	14	8	7.33	4	1	12	6.83	8	1	12	6.83	4	2	12	2.50	4	2	12	2.50	28	0	2	2	1.66	0.68	109
50	16	8	7.33	4	1	12	6.83	8	1	12	6.83	4	2	12	2.50	4	2	12	2.50	28	0	2	2	1.66	0.72	109
60	17	8	7.33	4	1	12	6.83	6	2	6	6.83	4	2	12	2.50	4	2	12	2.50	28	0	2	2	1.66	0.74	111

1 @ 6 x 5 REINFORCED CONCRETE SLAB BRIDGE

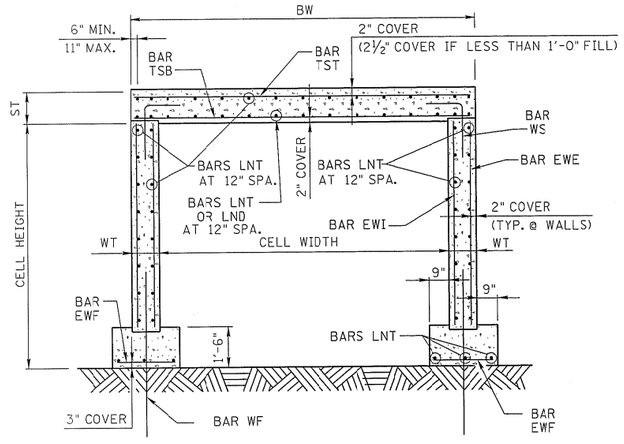
Fill Height ft.	Dimensions ST in.	WT in.	BW ft.	Bars TST Size	No.	Spacing in.	Length ft.	Bars TSB Size	No.	Spacing in.	Length ft.	Bars EWE Size	No.	Spacing in.	Length ft.	Bar EWI Size	No.	Spacing in.	Length ft.	Bars LNT No.	Bars LND No.	Bars WS No.	Bars WF No.	Bars EWF Length ft.	Concrete CY/LF	Reinf. Steel LB/LF
No Fill	8.5	8	7.33	4	1	12	6.83	6	2	6	6.83	4	2	12	3.50	4	2	12	3.50	25	12	2	2	1.66	0.60	120
3	8	8	7.33	4	1	12	6.83	6	2	6	6.83	4	2	12	3.50	4	2	12	3.50	25	12	2	2	1.66	0.59	120
5	8	8	7.33	4	1	12	6.83	4	2	6	6.83	4	2	12	3.50	4	2	12	3.50	32	0	2	2	1.66	0.59	105
10	8	8	7.33	4	1	12	6.83	4	2	6	6.83	4	2	12	3.50	4	2	12	3.50	32	0	2	2	1.66	0.59	105
20	8	8	7.33	4	1	12	6.83	6	2	6	6.83	4	2	12	3.50	4	2	12	3.50	32	0	2	2	1.66	0.59	116
30	11	8	7.33	4	1	12	6.83	8	1	12	6.83	4	2	12	3.50	4	2	12	3.50	32	0	2	2	1.66	0.66	114
40	14	8	7.33	4	1	12	6.83	8	1	12	6.83	4	2	12	3.50	4	2	12	3.50	32	0	2	2	1.66	0.73	114
50	16	8	7.33	4	1	12	6.83	8	1	12	6.83	4	2	12	3.50	4	2	12	3.50	32	0	2	2	1.66	0.77	114
60	17	8	7.33	4	1	12	6.83	6	2	6	6.83	4	2	12	3.50	4	2	12	3.50	32	0	2	2	1.66	0.79	116

1 @ 6 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.	Bar 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	8.5	8	8.00	4	1	12	6.83	6	2	6	6.83	4	2	12	4.50	4	2	12	4.50	29	12	2	2	1.66	0.65	125
3	8	8	7.33	4	1	12	6.83	6	2	6	6.83	4	2	12	4.50	4	2	12	4.50	29	12	2	2	1.66	0.64	125
5	8	8	7.33	4	1	12	6.83	4	2	6	6.83	4	2	12	4.50	4	2	12	4.50	36	0	2	2	1.66	0.64	110
10	8	8	7.33	4	1	12	6.83	4	2	6	6.83	4	2	12	4.50	4	2	12	4.50	36	0	2	2	1.66	0.64	110
20	8	8	7.33	4	1	12	6.83	6	2	6	6.83	4	2	12	4.50	4	2	12	4.50	36	0	2	2	1.66	0.64	122
30	11	8	7.33	4	1	12	6.83	8	1	12	6.83	4	2	12	4.50	4	2	12	4.50	36	0	2	2	1.66	0.71	119
40	14	8	7.33	4	1	12	6.83	8	1	12	6.83	4	2	12	4.50	5	2	12	4.50	36	0	2	2	1.66	0.77	123
50	16	9	7.50	4	1	12	7.00	8	1	12	7.00	4	1	12	4.50	4	2	12	4.50	36	0	2	2	1.66	0.87	120
60	17	10	7.67	4	1	12	7.16	6	2	6	7.16	4	2	12	4.50	4	2	12	4.50	36	0	2	2	1.66	0.93	123

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 top slab is the riding surface (No Fill), the concrete cover to the top mat of reinforcing shall be 2-1/2 inches.

The following bar information applies to all fill cases in the table above:
Bars LNT Size = 4 Spacing = 12 in.
Bars LND Size = 4 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.



TYPICAL SECTION

NOTE: FOR DESCRIPTIONS OF BOX DIMENSIONS AND REINFORCING BAR DESIGNATIONS SEE STANDARD DRAWING NO. STD-15-4.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

STANDARD REINFORCED CONCRETE SLAB BRIDGE
INTERIOR SECTION
SPANS: 1 BARREL AT 6'-0"
CLEAR HEIGHTS 3'-0" THRU 6'-0"
0' THRU 60' FILL
2000

CORRECT Edward A. Wasserman
ENGINEER OF STRUCTURES

STD-15-95

CONST. NO.

PROJECT NO.	YEAR	SHEET NO.

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION

DESIGNED BY CROSSLIN & HARPER DATE 1-00
DRAWN BY KEVIN MARTINKO DATE 3-00
SUPERVISED BY FIELDS & HOLLORAN DATE 3-00
CHECKED BY CROSSLIN & HARPER DATE 6-00

SOLIDWORKS\6\1barrel.sldpr
14:24 2001