CONST. NO. _____

PROJECT NO.	YEAR	SHEET NO.

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION

1 @ 8 x 3 REINFORCED CONCRETE BOX BRIDGE

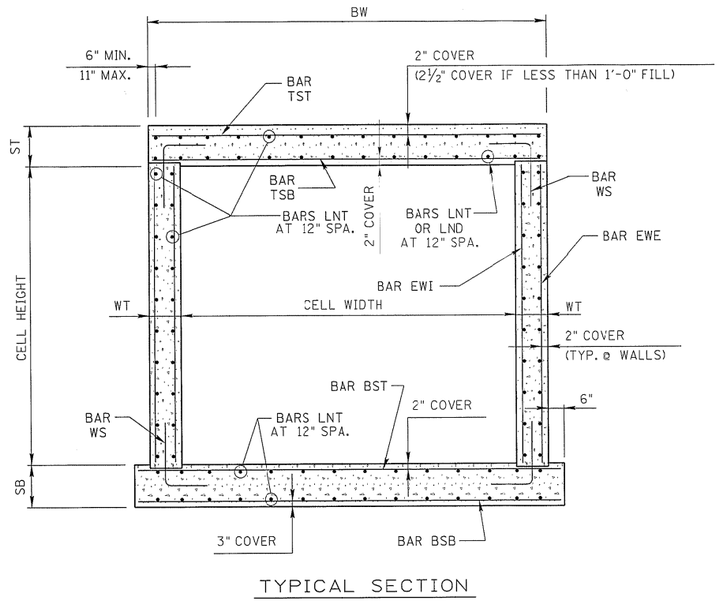
Maximum Fill Height ft.	Dimensions ST in.	SB in.	WT in.	BW ft.	Bars TST Size	No.	Spacing in.	Length ft.	Bars TSB Size	No.	Spacing in.	Length ft.	Bars BST Size	No.	Spacing in.	Length ft.	Bars BSB Size	No.	Spacing in.	Length ft.	Bars EWE Size	No.	Spacing in.	Length ft.	Bar EWI Size	No.	Spacing in.	Length ft.	Bars LNT No.	Bars LND No.	Bars WS No.	Concrete CY/LF	Reinf. Steel LB/LF
No Fill	9.5	8	8	9.33	4	1	12	8.83	6	2	6	8.83	8	1	12	9.83	4	1	12	9.83	4	2	12	3.00	4	2	12	3.00	39	16	4	0.67	163
3	9	8	8	9.33	4	1	12	8.83	9	1	12	8.83	6	2	6	9.83	4	1	12	9.83	4	2	12	3.00	4	2	12	3.00	39	16	4	0.66	170
5	8	9	8	9.33	4	1	12	8.83	7	1	12	8.83	5	2	6	9.83	4	1	12	9.83	4	2	12	3.00	4	2	12	3.00	48	0	4	0.66	144
10	8	9	8	9.33	4	1	12	8.83	8	1	12	8.83	8	1	12	9.83	4	1	12	9.83	4	2	12	3.00	4	2	12	3.00	48	0	4	0.66	155
20	10	11	8	9.33	4	1	12	8.83	7	2	6	8.83	7	2	6	9.83	4	1	12	9.83	4	2	12	3.00	4	2	12	3.00	48	0	4	0.78	182
30	14	15	8	9.33	4	1	12	8.83	9	1	12	8.83	9	1	12	9.83	4	1	12	9.83	4	2	12	3.00	4	2	12	3.00	48	0	4	1.02	169
40	17	18	8	9.33	4	1	12	8.83	9	1	12	8.83	9	1	12	9.83	4	1	12	9.83	4	2	12	3.00	4	2	12	3.00	48	0	4	1.21	169
50	20	21	8	9.33	4	1	12	8.83	9	1	12	8.83	9	1	12	9.83	4	1	12	9.83	4	2	12	3.00	4	2	12	3.00	48	0	4	1.39	169
60	22	23	8	9.33	4	1	12	8.83	7	2	6	8.83	7	2	6	9.83	4	1	12	9.83	4	2	12	3.00	4	2	12	3.00	48	0	4	1.51	182

1 @ 8 x 4 REINFORCED CONCRETE BOX BRIDGE

Maximum Fill Height ft.	Dimensions ST in.	SB in.	WT in.	BW ft.	Bars TST Size	No.	Spacing in.	Length ft.	Bars TSB Size	No.	Spacing in.	Length ft.	Bars BST Size	No.	Spacing in.	Length ft.	Bars BSB 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.	Concrete CY/LF	Reinf. Steel LB/LF
No Fill	9.5	8	8	9.33	4	1	12	8.83	6	2	6	8.83	8	1	12	9.83	4	1	12	9.83	4	2	12	4.00	4	2	12	4.00	43	16	4	0.71	168
3	9	9	8	9.33	4	1	12	8.83	9	1	12	8.83	5	2	6	9.83	4	1	12	9.83	4	2	12	4.00	4	2	12	4.00	43	16	4	0.74	166
5	8	9	8	9.33	4	1	12	8.83	7	1	12	8.83	8	1	12	9.83	4	1	12	9.83	4	2	12	4.00	4	2	12	4.00	52	0	4	0.71	155
10	8	9	8	9.33	4	1	12	8.83	8	1	12	8.83	8	1	12	9.83	4	1	12	9.83	4	2	12	4.00	4	2	12	4.00	52	0	4	0.71	161
20	10	11	8	9.33	4	1	12	8.83	7	2	6	8.83	7	2	6	9.83	4	1	12	9.83	4	2	12	4.00	4	2	12	4.00	52	0	4	0.83	187
30	14	15	8	9.33	4	1	12	8.83	9	1	12	8.83	9	1	12	9.83	4	1	12	9.83	4	2	12	4.00	4	2	12	4.00	52	0	4	1.07	174
40	17	18	8	9.33	4	1	12	8.83	9	1	12	8.83	9	1	12	9.83	4	1	12	9.83	4	2	12	4.00	4	2	12	4.00	52	0	4	1.26	174
50	20	21	8	9.33	4	1	12	8.83	9	1	12	8.83	9	1	12	9.83	4	1	12	9.83	4	2	12	4.00	4	2	12	4.00	52	0	4	1.44	174
60	22	23	9	9.50	4	1	12	9.00	2	7	6	9.00	7	2	6	10.00	4	1	12	10.00	4	2	12	4.00	4	2	12	4.00	52	0	4	1.61	189

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.



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 BOX BRIDGE
INTERIOR SECTION
SPANS: 1 BARREL AT 8'-0"
CLEAR HEIGHTS 3'-0" THRU 4'-0"
0' THRU 60' FILL
2000

CORRECT Edward P. Wasserman
ENGINEER OF STRUCTURES

STD-15-36

DESIGNED BY _____ DATE _____
DRAWN BY KEVIN MARTINKO DATE 3-00
SUPERVISED BY FIELDS & HOLLORAN DATE 3-00
CHECKED BY _____ DATE _____

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