CONST. NO. _____

PROJECT NO.	YEAR	SHEET NO.

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION

1 @ 16 x 6 REINFORCED CONCRETE SLAB BRIDGE

Fill Height ft.	Dimensions			Bars TST				Bars TSB				Bars EWE				Bar EWI				Bars LNT	Bars LND	Bars WS	Bars WF	Bars EWF	Concrete	Reinf. Steel
	ST in.	WT in.	BW ft.	Size	No.	Spacing in.	Length ft.	Size	No.	Spacing in.	Length ft.	Size	No.	Spacing in.	Length ft.	Size	No.	Spacing in.	Length ft.	No.	No.	No.	No.	Length ft.	CY/LF	LB/LF
No Fill	11.5	8	17.33	4	1	12	16.83	11	1	12	16.83	4	2	12	4.50	4	2	12	4.50	39	32	2	2	1.66	1.08	220
3	12	8	17.33	4	1	12	16.83	11	1	12	16.83	4	2	12	4.50	4	2	12	4.50	39	32	2	2	1.66	1.10	220
5	12	8	17.33	4	1	12	16.83	11	1	12	16.83	4	2	12	4.50	4	2	12	4.50	56	0	2	2	1.66	1.10	210
10	13	8	17.33	4	1	12	16.83	9	2	6	16.83	4	2	12	4.50	4	2	12	4.50	56	0	2	2	1.66	1.15	235
20	16	8	17.33	4	1	12	16.83	10	2	6	16.83	4	2	12	4.50	4	2	12	4.50	56	0	2	2	1.66	1.31	266
30	25	8	17.33	4	1	12	16.83	9	2	6	16.83	4	2	12	4.50	4	2	12	4.50	56	0	2	2	1.66	1.80	235
40	31	8	17.33	4	1	12	16.83	9	2	6	16.83	4	2	12	4.50	4	2	12	4.50	56	0	2	2	1.66	2.12	235
50	36	8	17.33	4	1	12	16.83	10	2	6	16.83	4	2	12	4.50	4	2	12	4.50	56	0	2	2	1.66	2.38	266
60	40	9	17.50	4	1	12	17.00	10	2	6	17.00	4	2	12	4.50	4	2	12	4.50	56	0	2	2	1.75	2.66	267

1 @ 16 x 7 REINFORCED CONCRETE SLAB BRIDGE

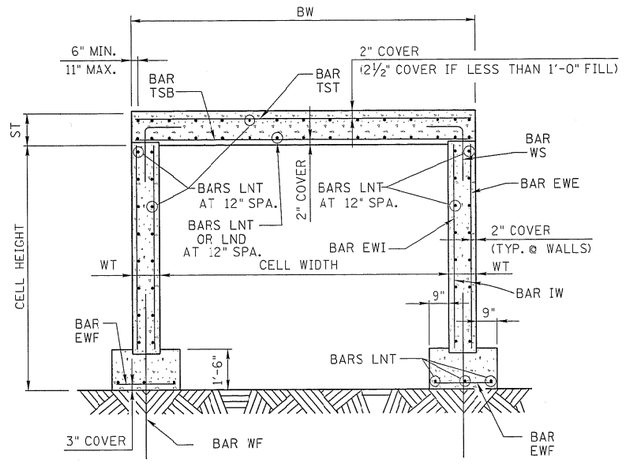
Fill Height ft.	Dimensions			Bars TST				Bars TSB				Bars EWE				Bar EWI				Bars LNT	Bars LND	Bars WS	Bars WF	Bars EWF	Concrete	Reinf. Steel
	ST in.	WT in.	BW ft.	Size	No.	Spacing in.	Length ft.	Size	No.	Spacing in.	Length ft.	Size	No.	Spacing in.	Length ft.	Size	No.	Spacing in.	Length ft.	No.	No.	No.	No.	Length ft.	CY/LF	LB/LF
No Fill	11.5	8	17.33	4	1	12	16.83	11	1	12	16.83	4	2	12	5.50	4	2	12	5.50	43	32	2	2	1.66	1.13	226
3	12	8	17.33	4	1	12	16.83	11	1	12	16.83	4	2	12	5.50	4	2	12	5.50	43	32	2	2	1.66	1.15	226
5	12	8	17.33	4	1	12	16.83	11	1	12	16.83	4	2	12	5.50	4	2	12	5.50	60	0	2	2	1.66	1.15	216
10	13	8	17.33	4	1	12	16.83	9	2	6	16.83	4	2	12	5.50	4	2	12	5.50	60	0	2	2	1.66	1.20	241
20	16	8	17.33	4	1	12	16.83	10	2	6	16.83	4	2	12	5.50	4	2	12	5.50	60	0	2	2	1.66	1.36	271
30	25	8	17.33	4	1	12	16.83	9	2	6	16.83	4	2	12	5.50	4	2	12	5.50	60	0	2	2	1.66	1.84	241
40	31	9	17.50	4	1	12	17.00	9	2	6	17.00	4	2	12	5.50	4	2	12	5.50	60	0	2	2	1.75	2.22	242
50	36	9	17.50	4	1	12	17.00	10	2	6	17.00	4	2	12	5.50	4	2	12	5.50	60	0	2	2	1.75	2.49	273
60	40	10	17.67	4	1	12	17.16	10	2	6	17.16	4	2	12	5.50	4	2	12	5.50	60	0	2	2	1.83	2.77	275

1 @ 16 x 8 REINFORCED CONCRETE SLAB BRIDGE

Fill Height ft.	Dimensions			Bars TST				Bars TSB				Bars EWE				Bar EWI				Bars LNT	Bars LND	Bars WS	Bars WF	Bars EWF	Concrete	Reinf. Steel
	ST in.	WT in.	BW ft.	Size	No.	Spacing in.	Length ft.	Size	No.	Spacing in.	Length ft.	Size	No.	Spacing in.	Length ft.	Size	No.	Spacing in.	Length ft.	No.	No.	No.	No.	Length ft.	CY/LF	LB/LF
No Fill	11.5	8	17.33	4	1	12	16.83	11	1	12	16.83	4	2	12	6.50	4	2	12	6.50	47	32	2	2	1.66	1.18	232
3	12	8	17.33	4	1	12	16.83	11	1	12	16.83	4	2	12	6.50	4	2	12	6.50	47	32	2	2	1.66	1.20	232
5	12	8	17.33	4	1	12	16.83	11	1	12	16.83	4	2	12	6.50	4	2	12	6.50	64	0	2	2	1.66	1.20	222
10	13	8	17.33	4	1	12	16.83	9	2	6	16.83	4	2	12	6.50	4	2	12	6.50	64	0	2	2	1.66	1.25	247
20	16	8	17.33	4	1	12	16.83	10	2	6	16.83	4	2	12	6.50	5	2	12	6.50	64	0	2	2	1.66	1.41	282
30	25	9	17.50	4	1	12	17.00	9	2	6	17.00	4	2	12	6.50	4	2	12	6.50	64	0	2	2	1.75	1.96	248
40	31	10	17.67	4	1	12	17.17	9	2	6	17.17	4	2	12	6.50	4	2	12	6.50	64	0	2	2	1.83	2.35	249
50	36	11	17.83	4	1	12	17.33	10	2	6	17.33	4	2	12	6.50	4	2	12	6.50	64	0	2	2	1.91	2.69	282
60	40	12	18.00	4	1	12	17.50	10	2	6	17.50	4	2	12	6.50	4	2	12	6.50	66	0	2	2	2	2.98	285

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 16'-0" CLEAR HEIGHTS 6'-0" THRU 8'-0" 0' THRU 60' FILL 2000

CORRECT Edward P. Wasserman
ENGINEER OF STRUCTURES

STD-15-104

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

00\s2000\16\barrel.s001
15:55 2000