CONST. NO. _____

PROJECT NO.	YEAR	SHEET NO.

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION

3 @ 16 x 6 REINFORCED CONCRETE SLAB BRIDGE

	Fill Height ft.	Dimensions ST in.	WT in.	IT 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.	Bar IW 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
Continuous	No Fill	10.5	8	8	50.67	7	2	6	50.16	7	2	6	50.16	4	2	12	4.50	4	2	12	4.50	5	4	12	4.50	94	48	4	4	1.66	2.56	669
	3	11	8	8	50.67	10	1	12	50.16	7	2	6	50.16	4	2	12	4.50	4	2	12	4.50	5	4	12	4.50	94	48	4	4	1.66	2.64	679
	5	11	8	8	50.67	11	1	12	50.16	9	1	12	50.16	4	2	12	4.50	4	2	12	4.50	5	4	12	4.50	144	0	4	4	1.66	2.64	679
	10	14	8	8	50.67	7	2	6	50.15	6	2	6	50.15	4	2	12	4.50	4	2	12	4.50	5	4	12	4.50	144	0	4	4	1.66	3.11	597
Moment Break	20	16	8	8	50.67	4	3	12	16.66	10	2	6	50.16	4	2	12	4.50	4	2	12	4.50	4	4	12	4.50	144	0	4	4	1.66	3.42	707
	30	25	8	8	50.67	4	3	12	16.66	9	2	6	50.16	4	2	12	4.50	4	2	12	4.50	5	4	12	4.50	144	0	4	4	1.66	4.83	623
	40	31	8	8	50.67	4	3	12	16.66	9	2	6	50.16	4	2	12	4.50	4	2	12	4.50	6	4	12	4.50	144	0	4	4	1.66	5.77	631
	50	36	8	8	50.67	4	3	12	16.66	10	2	6	50.16	4	2	12	4.50	4	2	12	4.50	7	4	12	4.50	144	0	4	4	1.66	6.55	731
	60	40	9	8	50.83	4	3	12	16.66	10	2	6	50.33	4	2	12	4.50	4	2	12	4.50	8	4	12	4.50	144	0	4	4	1.75	7.23	744

3 @ 16 x 7 REINFORCED CONCRETE SLAB BRIDGE

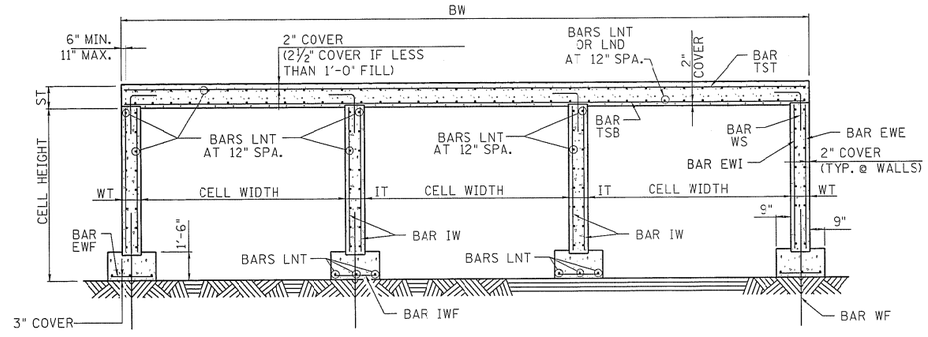
	Fill Height ft.	Dimensions ST in.	WT in.	IT in.	BW ft.	Bars TST Size	No.	Spacing in.	Length ft.	Bars TSB Size	No.	Spacing in.	Length ft.	Bars EWE Size	No.	Spacing in.	Length ft.	Bar EWI Size	No.	Spacing in.	Length ft.	Bar IW Size	No.	Spacing in.	Length ft.	Bars LNT No.	Bars LND No.	Bars WS No.	Bars WF No.	Bars EWF Length ft.	Concrete CY/LF	Reinf. Steel LB/LF
Continuous	No Fill	10.5	8	8	50.67	7	2	6	50.16	7	2	6	50.16	4	2	12	5.50	4	2	12	5.50	4	4	12	5.50	102	48	4	4	1.66	2.66	679
	3	11	8	8	50.67	10	1	12	50.16	7	2	6	50.16	4	2	12	5.50	4	2	12	5.50	4	4	12	5.50	102	48	4	4	1.66	2.74	690
	5	11	8	8	50.67	11	1	12	50.16	9	1	12	50.16	4	2	12	5.50	4	2	12	5.50	4	4	12	5.50	152	0	4	4	1.66	2.74	690
	10	14	8	8	50.67	7	2	6	50.15	6	2	6	50.15	4	2	12	5.50	4	2	12	5.50	4	4	12	5.50	152	0	4	4	1.66	3.21	609
Moment Break	20	16	8	8	50.67	4	3	12	16.66	10	2	6	50.16	4	2	12	5.50	4	2	12	5.50	4	4	12	5.50	152	0	4	4	1.66	3.52	718
	30	25	8	8	50.67	4	3	12	16.66	9	2	6	50.16	4	2	12	5.50	4	2	12	5.50	5	4	12	5.50	152	0	4	4	1.66	4.93	636
	40	31	9	8	50.83	4	3	12	16.66	9	2	6	50.33	4	2	12	5.50	4	2	12	5.50	6	4	12	5.50	152	0	4	4	1.75	5.93	647
	50	36	9	8	50.83	4	3	12	16.66	10	2	6	50.33	4	2	12	5.50	4	2	12	5.50	7	4	12	5.50	152	0	4	4	1.75	6.71	750
	60	40	10	8	51.00	4	3	12	16.66	10	2	6	50.50	4	2	12	5.50	4	2	12	5.50	8	4	12	5.50	154	0	4	4	1.83	7.40	766

3 @ 16 x 8 REINFORCED CONCRETE SLAB BRIDGE

	Fill Height ft.	Dimensions ST in.	WT in.	IT 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.	Bar IW 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
Continuous	No Fill	10.5	8	8	50.67	7	2	6	50.16	7	2	6	50.16	4	2	12	6.50	4	2	12	6.50	4	4	12	6.50	110	48	4	4	1.66	2.76	690
	3	11	8	8	50.67	10	1	12	50.16	7	2	6	50.16	4	2	12	6.50	4	2	12	6.50	4	4	12	6.50	110	48	4	4	1.66	2.84	701
	5	11	8	8	50.67	11	1	12	50.16	9	1	12	50.16	4	2	12	6.50	4	2	12	6.50	4	4	12	6.50	160	0	4	4	1.66	2.84	700
	10	14	8	8	50.67	7	2	6	50.15	6	2	6	50.15	4	2	12	6.50	4	2	12	6.50	4	4	12	6.50	160	0	4	4	1.66	3.31	619
Moment Break	20	16	8	8	50.67	4	3	12	16.66	10	2	6	50.16	4	2	12	6.50	5	2	12	6.50	4	4	12	6.50	160	0	4	4	1.66	3.62	733
	30	25	9	8	50.83	4	3	12	16.66	9	2	6	50.33	4	2	12	6.50	4	2	12	6.50	5	4	12	6.50	160	0	4	4	1.75	5.09	649
	40	31	10	8	51.00	4	3	12	16.66	9	2	6	50.50	4	2	12	6.50	4	2	12	6.50	6	4	12	6.50	162	0	4	4	1.83	6.10	663
	50	36	11	8	51.17	4	3	12	16.66	10	2	6	50.66	4	2	12	6.50	4	2	12	6.50	7	4	12	6.50	162	0	4	4	1.91	6.95	770
	60	40	12	8	51.33	4	3	12	16.66	10	2	6	50.83	4	2	12	6.50	4	2	12	6.50	8	4	12	6.50	162	0	4	4	2	7.65	788

Note: Maximum fill height 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 = 5 Spacing = 12 in.
Bars WS Size = 8 Length = 5.00 ft. Spacing = 12 in.
Bars WF Size = 8 Length = 6.00 ft. Spacing = 12 in.
Bars IWF Size = 4 No. = 2 Spacing = 12 in. Length = 1.66 ft.
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: 3 BARREL AT 16'-0"
CLEAR HEIGHTS 6'-0" THRU 8'-0"
0' THRU 60' FILL
2000

CORRECT Edward P. Wasserman
ENGINEER OF STRUCTURES

STD-15-145

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

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