CONST. NO. _____

PROJECT NO.	YEAR	SHEET NO.

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
1	2-28-03	JHW	CHANGED NOTE

2 @ 18 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	11.5	8	8	38.00	7	2	6	37.50	9	1	12	37.50	4	2	12	4.50	4	2	12	4.50	4	2	12	4.50	71	36	3	3	1.66	2.04	475
	3	12	8	8	38.00	11	1	12	37.50	7	2	6	37.50	4	2	12	4.50	4	2	12	4.50	4	2	12	4.50	71	36	3	3	1.66	2.10	547
	5	13	8	8	38.00	8	2	6	37.50	6	2	6	37.50	4	2	12	4.50	4	2	12	4.50	4	2	12	4.50	109	0	3	3	1.66	2.21	495
	10	14	8	8	38.00	9	2	6	37.50	7	2	6	37.50	4	2	12	4.50	4	2	12	4.50	4	2	12	4.50	109	0	3	3	1.66	2.33	590
Moment Break	20	18	8	8	38.00	4	2	12	18.66	11	2	6	37.50	4	2	12	4.50	4	2	12	4.50	5	2	12	4.50	109	0	3	3	1.66	2.80	609
	30	28	8	8	38.00	4	2	12	18.66	10	2	6	37.50	4	2	12	4.50	4	2	12	4.50	4	4	6	4.50	109	0	3	3	1.66	3.97	536
	40	35	8	8	38.00	4	2	12	18.66	10	2	6	37.50	4	2	12	4.50	4	2	12	4.50	7	2	12	4.50	109	0	3	3	1.66	4.79	542
	50	40	8	8	38.00	4	2	12	18.66	10	2	6	37.50	4	2	12	4.50	7	2	12	4.50	8	2	12	4.50	109	0	3	3	1.66	5.38	560
	60	45	9	8	38.17	4	2	12	18.66	10	2	6	37.66	4	2	12	4.50	4	2	12	4.50	9	2	12	4.50	109	0	3	3	1.75	6.03	556

2 @ 18 x 7 REINFORCED CONCRETE SLAB BRIDGE

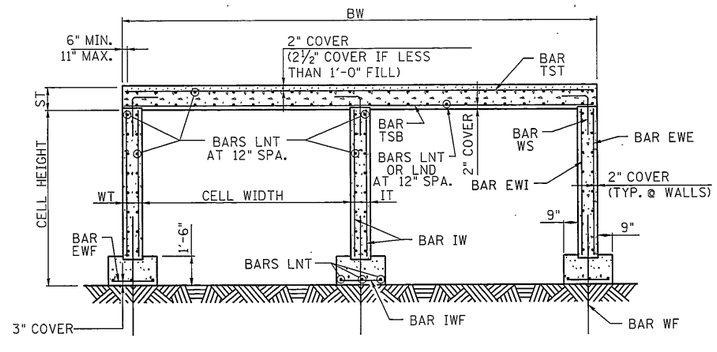
	Fill Height ft.	Dimensions ST in.	WT in.	IT in.	BW ft.	Bars TST Size	No.	Spacing in.	Length ft.	Bars TSB Size	No.	Spacing in.	Length ft.	Bars EWE Size	No.	Spacing in.	Length ft.	Bar EWI Size	No.	Spacing in.	Length ft.	Bar IW Size	No.	Spacing in.	Length ft.	Bars LNT No.	Bars LND No.	Bars WS No.	Bars WF No.	Bars EWF Length ft.	Concrete CY/LF	Reinf. Steel LB/LF
Continuous	No Fill	11.5	8	8	38.00	7	2	6	37.50	9	1	12	37.50	4	2	12	5.50	4	2	12	5.50	4	2	12	5.50	77	36	3	3	1.66	2.11	483
	3	12	8	8	38.00	11	1	12	37.50	7	2	6	37.50	4	2	12	5.50	4	2	12	5.50	4	2	12	5.50	77	36	3	3	1.66	2.17	555
	5	13	8	8	38.00	8	2	6	37.50	6	2	6	37.50	4	2	12	5.50	4	2	12	5.50	4	2	12	5.50	115	0	3	3	1.66	2.29	503
	10	14	8	8	38.00	9	2	6	37.50	7	2	6	37.50	4	2	12	5.50	4	2	12	5.50	4	2	12	5.50	115	0	3	3	1.66	2.41	598
Moment Break	20	18	8	8	38.00	4	2	12	18.66	11	2	6	37.50	4	2	12	5.50	4	2	12	5.50	5	2	12	5.50	115	0	3	3	1.66	2.87	618
	30	28	8	8	38.00	4	2	12	18.66	10	2	6	37.50	4	2	12	5.50	4	2	12	5.50	4	4	6	5.50	115	0	3	3	1.66	4.05	545
	40	35	9	8	38.17	4	2	12	18.66	10	2	6	37.66	4	2	12	5.50	4	2	12	5.50	7	2	12	5.50	115	0	3	3	1.75	4.93	554
	50	40	9	8	38.17	4	2	12	18.66	10	2	6	37.66	4	2	12	5.50	7	2	12	5.50	8	2	12	5.50	115	0	3	3	1.75	5.52	576
	60	45	10	8	38.33	4	2	12	18.66	10	2	6	37.83	4	2	12	5.50	4	4	6	5.50	9	2	12	5.50	115	0	3	3	1.83	6.17	578

2 @ 18 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	11.5	8	8	38.00	7	2	6	37.50	9	1	12	37.50	4	2	12	6.50	4	2	12	6.50	4	2	12	6.50	83	36	3	3	1.66	2.19	491
	3	12	8	8	38.00	11	1	12	37.50	7	2	6	37.50	4	2	12	6.50	4	2	12	6.50	4	2	12	6.50	83	36	3	3	1.66	2.25	563
	5	13	8	8	38.00	8	2	6	37.50	6	2	6	37.50	4	2	12	6.50	4	2	12	6.50	4	2	12	6.50	121	0	3	3	1.66	2.36	511
	10	14	8	8	38.00	9	2	6	37.50	7	2	6	37.50	4	2	12	6.50	4	2	12	6.50	4	2	12	6.50	121	0	3	3	1.66	2.48	606
Moment Break	20	18	8	8	38.00	4	2	12	18.66	11	2	6	37.50	4	2	12	6.50	4	2	12	6.50	5	2	12	6.50	121	0	3	3	1.66	2.95	626
	30	28	8	8	38.00	4	2	12	18.66	10	2	6	37.50	4	2	12	6.50	6	4	6	6.50	4	4	6	6.50	121	0	3	3	1.66	4.12	585
	40	35	10	8	38.33	4	2	12	18.66	10	2	6	37.83	4	2	12	6.50	4	2	12	6.50	7	2	12	6.50	121	0	3	3	1.83	5.08	567
	50	40	10	8	38.33	4	2	12	18.66	10	2	6	37.83	4	2	12	6.50	8	2	12	6.50	8	2	12	6.50	121	0	3	3	1.83	5.67	601
	60	45	11	8	38.50	4	2	12	18.66	10	2	6	38.00	4	2	12	6.50	8	2	12	6.50	9	2	12	6.50	121	0	3	3	1.91	6.33	612

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.
1 Bars IWF Size = 4 No. = 1 Space = 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: 2 BARREL AT 18'-0" CLEAR HEIGHTS 6'-0" THRU 8'-0" 0' THRU 60' FILL 2000

CORRECT Edward P. Wasserman
ENGINEER OF STRUCTURES

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

STD-15-128