CONST. NO. _____

PROJECT NO.	YEAR	SHEET NO.

REVISIONS

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

2 @ 14 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	30.00	7	2	6	29.50	6	2	6	29.50	4	2	12	6.50	4	2	12	6.50	4	2	12	6.50	75	28	3	3	1.66	1.81	405
	3	11	8	8	30.00	7	2	6	29.50	6	2	6	29.50	4	2	12	6.50	4	2	12	6.50	4	2	12	6.50	75	28	3	3	1.66	1.86	405
	5	11	8	8	30.00	10	1	12	29.50	8	1	12	29.50	4	2	12	6.50	4	2	12	6.50	4	2	12	6.50	105	0	3	3	1.66	1.86	393
	10	12	8	8	30.00	11	1	12	29.50	8	1	12	29.50	4	2	12	6.50	4	2	12	6.50	4	2	12	6.50	105	0	3	3	1.66	1.95	423
Moment Break	20	15	8	8	30.00	4	2	12	14.66	9	2	6	29.50	4	2	12	6.50	5	2	12	6.50	4	2	12	6.50	105	0	3	3	1.66	2.23	412
	30	22	9	8	30.16	4	2	12	14.66	9	2	6	29.66	4	2	12	6.50	5	2	12	6.50	5	2	12	6.50	105	0	3	3	1.75	2.94	418
	40	30	10	8	30.33	4	2	12	14.66	9	2	6	29.83	4	2	12	6.50	4	2	12	6.50	6	2	12	6.50	105	0	3	3	1.83	3.56	421
	50	32	11	8	30.50	4	1	12	14.66	9	2	6	30.00	4	2	12	6.50	4	2	12	6.50	7	2	12	6.50	105	0	3	3	1.91	4.00	429
	60	36	12	8	30.66	4	2	12	14.66	9	2	6	30.16	4	2	12	6.50	4	2	12	6.50	8	2	12	6.50	105	0	3	3	2	4.44	438

2 @ 14 x 9 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	30.00	7	2	6	29.50	6	2	6	29.50	4	2	12	7.50	4	2	12	7.50	4	2	12	7.50	81	28	3	3	1.66	1.89	413
	3	11	8	8	30.00	7	2	6	29.50	6	2	6	29.50	4	2	12	7.50	4	2	12	7.50	4	2	12	7.50	81	28	3	3	1.66	1.93	413
	5	11	8	8	30.00	10	1	12	29.50	8	1	12	29.50	4	2	12	7.50	4	2	12	7.50	4	2	12	7.50	111	0	3	3	1.66	1.93	401
	10	12	8	8	30.00	11	1	12	29.50	8	1	12	29.50	4	2	12	7.50	4	4	6	7.50	4	2	12	7.50	111	0	3	3	1.66	2.02	441
Moment Break	20	15	8	8	30.00	4	2	12	14.66	9	2	6	29.50	4	2	12	7.50	7	2	12	7.50	4	2	12	7.50	111	0	3	3	1.66	2.30	436
	30	22	10	8	30.33	4	2	12	14.66	9	2	6	29.83	4	2	12	7.50	4	4	6	7.50	5	2	12	7.50	111	0	3	3	1.83	3.08	433
	40	28	11	8	30.50	4	2	12	14.66	9	2	6	30.00	4	2	12	7.50	5	2	12	7.50	6	2	12	7.50	111	0	3	3	1.91	3.71	437
	50	32	12	8	30.67	4	2	12	14.66	9	2	6	30.16	4	2	12	7.50	5	2	12	7.50	7	2	12	7.50	111	0	3	3	2	4.16	446
	60	36	13	8	30.83	4	2	12	14.66	9	2	6	30.33	4	2	12	7.50	4	2	12	7.50	8	2	12	7.50	111	0	3	3	2.08	4.62	451

2 @ 14 x 10 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	30.00	7	2	6	29.50	6	2	6	29.50	4	2	12	8.50	4	2	12	8.50	4	2	12	8.50	87	28	3	3	1.66	1.96	421
	3	11	8	8	30.00	7	2	6	29.50	6	2	6	29.50	4	2	12	8.50	4	2	12	8.50	4	2	12	8.50	87	28	3	3	1.66	2.00	421
	5	11	8	8	30.00	10	1	12	29.50	8	1	12	29.50	4	2	12	8.50	5	2	12	8.50	4	2	12	8.50	117	0	3	3	1.66	2.00	415
	10	12	8	8	30.00	11	1	12	29.50	8	1	12	29.50	4	2	12	8.50	6	2	12	8.50	4	2	12	8.50	117	0	3	3	1.66	2.10	453
Moment Break	20	15	9	8	30.17	4	2	12	14.66	9	2	6	29.66	4	2	12	8.50	7	2	12	8.50	4	2	12	8.50	117	0	3	3	1.75	2.44	448
	30	22	11	8	30.50	4	2	12	14.66	9	2	6	30.00	4	2	12	8.50	7	2	12	8.50	5	2	12	8.50	117	0	3	3	1.91	3.24	457
	40	28	12	8	30.67	4	2	12	14.66	9	2	6	30.16	4	2	12	8.50	7	2	12	8.50	6	2	12	8.50	117	0	3	3	2	3.88	466
	50	32	14	8	31.00	4	2	12	14.66	9	2	6	30.50	4	2	12	8.50	4	4	6	8.50	7	2	12	8.50	119	0	3	3	2.16	4.42	466
	60	36	15	8	31.17	4	2	12	14.66	9	2	6	30.66	4	2	12	8.50	4	4	6	8.50	8	2	12	8.50	119	0	3	3	2.25	4.88	478

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.

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 14'-0"
CLEAR HEIGHTS 8'-0" THRU 10'-0"
0' THRU 60' FILL
2000

CORRECT Edward P. Wasserman
ENGINEER OF STRUCTURES

DESIGNED BY S. HASTINGS\I. YOUSSEF DATE 12-99
DRAWN BY KEVIN MARTINKO DATE 3-00
SUPERVISED BY FIELDS & HOLLORAN DATE 3-00
CHECKED BY S. HASTINGS\I. YOUSSEF DATE 6-00

STD-15-123