CONST. NO. _____

PROJECT NO.	YEAR	SHEET NO.

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
1	2-28-03	JHW	CHANGED NOTE & REVISED FILL HEIGHT

2 @ 6 x 3 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	8.5	8	8	14.00	7	1	12	13.50	7	1	12	13.50	4	2	12	1.50	4	2	12	1.50	4	2	12	1.50	29	12	3	3	1.66	0.83	184
	3	8	8	8	14.00	8	1	12	13.50	7	1	12	13.50	4	2	12	1.50	4	2	12	1.50	4	2	12	1.50	29	12	3	3	1.66	0.81	193
	5	8	8	8	14.00	4	2	6	13.50	4	1	12	13.50	4	2	12	1.50	4	2	12	1.50	4	2	12	1.50	43	0	3	3	1.66	0.81	153
	10	8	8	8	14.00	6	1	12	13.50	5	1	12	13.50	4	2	12	1.50	4	2	12	1.50	4	2	12	1.50	43	0	3	3	1.66	0.81	160
Moment Break	20	8	8	8	14.00	4	2	12	6.66	6	2	6	13.50	4	2	12	1.50	4	2	12	1.50	4	2	12	1.50	43	0	3	3	1.66	0.81	175
	30	11	8	8	14.00	4	2	12	6.66	8	1	12	13.50	4	2	12	1.50	4	2	12	1.50	4	2	12	1.50	43	0	3	3	1.66	0.94	171
	40	14	8	8	14.00	4	2	12	6.66	8	1	12	13.50	4	2	12	1.50	4	2	12	1.50	4	2	12	1.50	43	0	3	3	1.66	1.07	171
	50	16	8	8	14.00	4	2	12	6.66	8	1	12	13.50	4	2	12	1.50	4	2	12	1.50	5	2	12	1.50	43	0	3	3	1.66	1.16	175
	60	17	8	8	14.00	4	2	12	6.66	6	2	6	13.50	4	2	12	1.50	4	2	12	1.50	5	2	12	1.50	43	0	3	3	1.66	1.20	177

2 @ 6 x 4 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	8.5	8	8	14.00	7	1	12	13.50	7	1	12	13.50	4	2	12	2.50	4	2	12	2.50	4	2	12	2.50	35	12	3	3	1.66	0.89	192
	3	8	8	8	14.00	8	1	12	13.50	7	1	12	13.50	4	2	12	2.50	4	2	12	2.50	4	2	12	2.50	35	12	3	3	1.66	0.89	201
	5	8	8	8	14.00	4	2	6	13.50	4	1	12	13.50	4	2	12	2.50	4	2	12	2.50	4	2	12	2.50	49	0	3	3	1.66	0.89	161
	⚠1 10	8	8	8	14.00	6	1	12	13.50	5	1	12	13.50	4	2	12	2.50	4	2	12	2.50	4	2	12	2.50	49	0	3	3	1.66	0.89	168
Moment Break	20	8	8	8	14.00	4	2	12	6.66	6	2	6	13.50	4	2	12	2.50	4	2	12	2.50	4	2	12	2.50	49	0	3	3	1.66	0.89	183
	30	11	8	8	14.00	4	2	12	6.66	8	1	12	13.50	4	2	12	2.50	4	2	12	2.50	4	2	12	2.50	49	0	3	3	1.66	1.02	179
	40	14	8	8	14.00	4	2	12	6.66	8	1	12	13.50	4	2	12	2.50	4	2	12	2.50	5	2	12	2.50	49	0	3	3	1.66	1.15	179
	50	16	8	8	14.00	4	2	12	6.66	8	1	12	13.50	4	2	12	2.50	4	2	12	2.50	5	2	12	2.50	49	0	3	3	1.66	1.23	181
	60	17	8	8	14.00	4	2	12	6.66	6	2	6	13.50	4	2	12	2.50	4	2	12	2.50	5	2	12	2.50	49	0	3	3	1.66	1.28	185

2 @ 6 x 5 REINFORCED CONCRETE SLAB BRIDGE

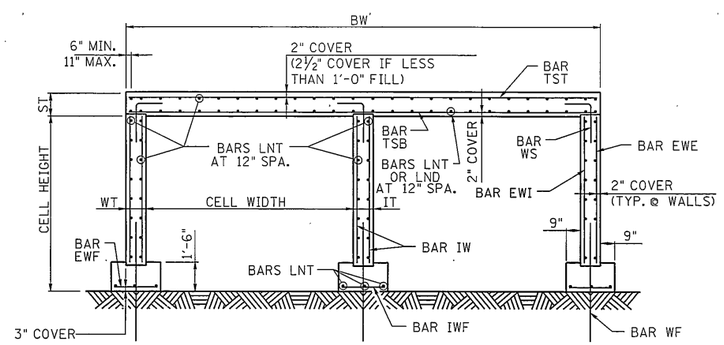
	Fill Height ft.	Dimensions ST in.	WT in.	IT in.	BW ft.	Bars TST Size	No.	Spacing in.	Length ft.	Bars TSB Size	No.	Spacing in.	Length ft.	Bars EWE Size	No.	Spacing in.	Length ft.	Bar EWI Size	No.	Spacing in.	Length ft.	Bar IW Size	No.	Spacing in.	Length ft.	Bars LNT No.	Bars LND No.	Bars WS No.	Bars WF No.	Bars EWF Length ft.	Concrete CY/LF	Reinf. Steel LB/LF
Continuous	No Fill	8.5	8	8	14.00	7	1	12	13.50	7	1	12	13.50	4	2	12	3.50	4	2	12	3.50	4	2	12	3.50	41	12	3	3	1.66	0.98	200
	3	8	8	8	14.00	8	1	12	13.50	7	1	12	13.50	4	2	12	3.50	4	2	12	3.50	4	2	12	3.50	41	12	3	3	1.66	0.96	209
	5	8	8	8	14.00	4	2	6	13.50	4	1	12	13.50	4	2	12	3.50	4	2	12	3.50	4	2	12	3.50	55	0	3	3	1.66	0.96	169
	10	8	8	8	14.00	6	1	12	13.50	5	1	12	13.50	4	2	12	3.50	4	2	12	3.50	4	2	12	3.50	55	0	3	3	1.66	0.96	176
Moment Break	20	8	8	8	14.00	4	2	12	6.66	6	2	6	13.50	4	2	12	3.50	4	2	12	3.50	4	2	12	3.50	55	0	3	3	1.66	0.96	191
	30	11	8	8	14.00	4	2	12	6.66	8	1	12	13.50	4	2	12	3.50	4	2	12	3.50	4	2	12	3.50	55	0	3	3	1.66	1.09	187
	40	14	8	8	14.00	4	2	12	6.66	8	1	12	13.50	4	2	12	3.50	4	2	12	3.50	4	2	12	3.50	55	0	3	3	1.66	1.22	187
	50	16	8	8	14.00	4	2	12	6.60	8	1	12	13.50	4	2	12	3.50	4	2	12	3.50	5	2	12	3.50	55	0	3	3	1.66	1.31	190
	60	17	8	8	14.00	4	2	12	6.60	6	2	6	13.50	4	2	12	3.50	4	2	12	3.50	5	2	12	3.50	55	0	3	3	1.66	1.35	194

2 @ 6 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	8.5	8	8	14.00	7	1	12	13.50	7	1	12	13.50	4	2	12	4.50	4	2	12	4.50	4	2	12	4.50	47	12	3	3	1.66	1.06	208
	3	8	8	8	14.00	8	1	12	13.50	7	1	12	13.50	4	2	12	4.50	4	2	12	4.50	4	2	12	4.50	47	12	3	3	1.66	1.04	217
	5	8	8	8	14.00	4	2	6	13.50	4	1	12	13.50	4	2	12	4.50	4	2	12	4.50	4	2	12	4.50	61	0	3	3	1.66	1.04	177
	10	8	8	8	14.00	6	1	12	13.50	5	1	12	13.50	4	2	12	4.50	4	2	12	4.50	4	2	12	4.50	61	0	3	3	1.66	1.04	184
Moment Break	20	8	8	8	14.00	4	2	12	6.66	6	2	6	13.50	4	2	12	4.50	4	2	12	4.50	4	2	12	4.50	61	0	3	3	1.66	1.04	199
	30	11	8	8	14.00	4	2	12	6.66	8	1	12	13.50	4	2	12	4.50	4	2	12	4.50	4	2	12	4.50	61	0	3	3	1.66	1.16	195
	40	14	8	8	14.00	4	2	12	6.66	8	1	12	13.50	4	2	12	4.50	5	2	12	4.50	4	2	12	4.50	61	0	3	3	1.66	1.29	198
	50	16	9	8	14.17	4	2	12	6.66	8	1	12	13.66	4	2	12	4.50	4	2	12	4.50	5	2	12	4.50	61	0	3	3	1.66	1.43	199
	60	17	10	8	14.33	4	2	12	6.66	6	2	6	13.83	4	2	12	4.50	4	2	12	4.50	5	2	12	4.50	61	0	3	3	1.66	1.52	204

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 6'-0"
CLEAR HEIGHTS 3'-0" THRU 6'-0"
0' THRU 60' FILL
2000

CORRECT Edward P. Wasserman
ENGINEER OF STRUCTURES

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

STD-15-115