CONST. NO. _____

PROJECT NO.	YEAR	SHEET NO.

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION

3 @ 8 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	26.67	6	2	6	26.16	8	1	12	26.16	4	2	12	3.50	4	2	12	3.50	4	4	12	3.50	62	24	4	4	1.66	1.48	355
	3	8	8	8	26.67	9	1	12	26.16	8	1	12	26.16	4	2	12	3.50	4	2	12	3.50	4	4	12	3.50	62	24	4	4	1.66	1.48	365
	5	8	8	8	26.67	7	1	12	26.16	4	2	6	26.16	4	2	12	3.50	4	2	12	3.50	4	4	12	3.50	88	0	4	4	1.66	1.48	288
	10	9	8	8	26.67	7	1	12	26.15	4	2	6	26.15	4	2	12	3.50	4	2	12	3.50	4	4	12	3.50	88	0	4	4	1.66	1.56	288
Moment Break	20	10	8	8	26.67	4	3	12	8.66	7	2	6	26.16	4	2	12	3.50	4	2	12	3.50	4	4	12	3.50	88	0	4	4	1.66	1.65	323
	30	14	8	8	26.67	4	3	12	8.66	9	1	12	26.16	4	2	12	3.50	4	2	12	3.50	4	4	12	3.50	88	0	4	4	1.66	1.97	305
	40	17	8	8	26.67	4	3	12	8.66	9	1	12	26.16	4	2	12	3.50	4	2	12	3.50	5	4	12	3.50	88	0	4	4	1.66	2.22	311
	50	20	8	8	26.67	4	3	12	8.66	9	1	12	26.16	4	2	12	3.50	4	2	12	3.50	5	4	12	3.50	88	0	4	4	1.66	2.47	311
	60	22	8	8	26.67	4	3	12	8.66	7	2	6	26.16	4	2	12	3.50	4	2	12	3.50	4	8	6	3.50	88	0	4	4	1.66	2.63	333

3 @ 8 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	26.67	6	2	6	26.16	8	1	12	26.16	4	2	12	4.50	4	2	12	4.50	4	4	12	4.50	70	24	4	4	1.66	1.59	366
	3	8	8	8	26.67	9	1	12	26.16	8	1	12	26.16	4	2	12	4.50	4	2	12	4.50	4	4	12	4.50	70	24	4	4	1.66	1.58	376
	5	8	8	8	26.67	7	1	12	26.16	4	2	6	26.16	4	2	12	4.50	4	2	12	4.50	4	4	12	4.50	96	0	4	4	1.66	1.58	298
	10	9	8	8	26.67	7	1	12	26.15	4	2	6	26.15	4	2	12	4.50	4	2	12	4.50	4	4	12	4.50	96	0	4	4	1.66	1.66	298
Moment Break	20	10	8	8	26.67	4	3	12	8.65	7	2	6	26.16	4	2	12	4.50	4	2	12	4.50	4	4	12	4.50	96	0	4	4	1.66	1.74	334
	30	14	8	8	26.67	4	3	12	8.66	9	1	12	26.16	4	2	12	4.50	4	2	12	4.50	4	4	12	4.50	96	0	4	4	1.66	2.07	316
	40	17	8	8	26.67	4	3	12	8.66	9	1	12	26.16	4	2	12	4.50	4	2	12	4.50	5	4	12	4.50	96	0	4	4	1.66	2.32	323
	50	20	9	8	26.83	4	3	12	8.66	9	1	12	26.33	4	2	12	4.50	4	2	12	4.50	5	4	12	4.50	96	0	4	4	1.75	2.61	323
	60	22	9	8	26.83	4	3	12	8.66	7	2	6	26.33	4	2	12	4.50	4	2	12	4.50	4	8	6	4.50	96	0	4	4	1.75	2.78	347

3 @ 8 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	8.5	8	8	26.67	6	2	6	26.16	8	1	12	26.16	4	2	12	5.50	4	2	12	5.50	4	4	12	5.50	78	24	4	4	1.66	1.69	376
	3	8	8	8	26.67	9	1	12	26.16	8	1	12	26.16	4	2	12	5.50	4	2	12	5.50	4	4	12	5.50	78	24	4	4	1.66	1.68	387
	5	8	8	8	26.67	7	1	12	26.16	4	2	6	16.16	4	2	12	5.50	4	2	12	5.50	4	4	12	5.50	104	0	4	4	1.66	1.68	308
	10	9	8	8	26.67	7	1	12	26.15	4	2	6	26.15	4	2	12	5.50	4	2	12	5.50	4	4	12	5.50	104	0	4	4	1.66	1.76	308
Moment Break	20	10	8	8	26.67	4	3	12	8.66	7	2	6	26.16	4	2	12	5.50	4	2	12	5.50	4	4	12	5.50	104	0	4	4	1.66	1.84	344
	30	14	8	8	26.67	4	3	12	8.66	9	1	12	26.16	4	2	12	5.50	5	2	12	5.50	4	4	12	5.50	104	0	4	4	1.66	2.17	330
	40	17	9	8	27.83	4	3	12	8.66	9	1	12	26.33	4	2	12	5.50	5	2	12	5.50	5	4	12	5.50	104	0	4	4	1.75	2.47	339
	50	20	10	8	27.00	4	3	12	8.66	9	1	12	26.50	4	2	12	5.50	4	2	12	5.50	5	4	12	5.50	106	0	4	4	1.83	2.77	338
	60	22	11	8	27.17	4	3	12	8.66	7	2	6	26.66	4	2	12	5.50	4	2	12	5.50	4	8	6	5.50	106	0	4	4	1.91	2.99	363

3 @ 8 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	8.5	8	8	26.67	6	2	6	26.16	8	1	12	26.16	4	2	12	6.50	4	2	12	6.50	4	4	12	6.50	86	24	4	4	1.66	1.79	387
	3	8	8	8	26.67	9	1	12	26.16	8	1	12	26.16	4	2	12	6.50	4	2	12	6.50	4	4	12	6.50	86	24	4	4	1.66	1.78	397
	5	8	8	8	26.67	7	1	12	26.16	4	2	6	26.16	4	2	12	6.50	4	2	12	6.50	4	4	12	6.50	112	0	4	4	1.66	1.78	320
	10	9	8	8	26.67	7	1	12	26.15	4	2	6	26.15	4	2	12	6.50	5	2	12	6.50	4	4	12	6.50	112	0	4	4	1.66	1.86	324
Moment Break	20	10	8	8	26.67	4	3	12	8.66	7	2	6	26.16	4	2	12	6.50	4	4	6	6.50	4	4	12	6.50	112	0	4	4	1.66	1.94	364
	30	14	9	8	26.83	4	3	12	8.66	9	1	12	26.33	4	2	12	6.50	4	4	6	6.50	4	4	12	6.50	112	0	4	4	1.75	2.33	347
	40	17	10	8	27.00	4	3	12	8.66	9	1	12	26.50	4	2	12	6.50	4	4	6	6.50	5	4	12	6.50	114	0	4	4	1.83	2.63	358
	50	20	11	8	27.17	4	3	12	8.66	7	1	12	26.66	4	2	12	6.50	4	4	6	6.50	5	4	12	6.50	114	0	4	4	1.91	2.94	359
	60	22	13	8	27.50	4	3	12	8.66	7	2	6	27.00	4	2	12	6.50	5	2	12	6.50	4	8	6	6.50	114	0	4	4	2.08	3.23	383

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.

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 8'-0"
CLEAR HEIGHTS 5'-0" THRU 8'-0"
0' THRU 60' FILL
2000

CORRECT Edward P. Wasserman
ENGINEER OF STRUCTURES

STD-15-137

DESIGNED BY _____ DATE _____
DRAWN BY KEVIN MARTINKO DATE 3-00
SUPERVISED BY FIELDS & HOLLORAN DATE 3-00
CHECKED BY _____ DATE _____