CONST. NO.		
PROJECT NO.	YEAR	SHEET NO.

REVISIONS

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

1 @ 12 x 8 REINFORCED CONCRETE SLAB BRIDGE

Fill Height ft.	Dimensions ST in.	WT in.	BW ft.	Bars TST Size	No.	Spacing in.	Length ft.	Bars TSB Size	No.	Spacing in.	Length ft.	Bars EW E Size	No.	Spacing in.	Length ft.	Bar EW I 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
No Fill	10.5	8	13.33	4	1	12	12.83	7	2	6	12.83	4	2	12	6.50	4	2	12	6.50	43	24	2	2	1.67	0.99	184
3	10	8	13.33	4	1	12	12.83	11	1	12	12.83	4	2	12	6.50	4	2	12	6.50	43	24	2	2	1.67	0.97	200
5	10	8	13.33	4	1	12	12.83	7	2	6	12.83	4	2	12	6.50	4	2	12	6.50	56	0	2	2	1.67	0.97	176
10	10	8	13.33	4	1	12	12.83	11	1	12	12.83	4	2	12	6.50	4	2	12	6.50	56	0	2	2	1.67	0.97	192
20	13	8	13.33	4	1	12	12.83	9	2	6	12.83	4	2	12	6.50	5	2	12	6.50	56	0	2	2	1.67	1.09	216
30	19	9	13.50	4	1	12	13.00	11	1	12	13.00	4	2	12	6.50	5	2	12	6.50	56	0	2	2	1.75	1.40	198
40	24	10	13.67	4	1	12	13.17	11	1	12	13.17	4	2	12	6.50	5	2	12	6.50	56	0	2	2	1.83	1.67	199
50	28	11	13.83	4	1	12	13.33	11	1	12	13.33	4	2	12	6.50	4	2	12	6.50	56	0	2	2	1.92	1.90	195
60	31	12	14.00	4	1	12	13.50	9	2	6	13.50	4	2	12	6.50	4	2	12	6.50	58	0	2	2	2	2.09	218

1 @ 12 x9 REINFORCED CONCRETE SLAB BRIDGE

Fill Height ft.	Dimensions ST in.	WT in.	BW ft.	Bars TST Size	No.	Spacing in.	Length ft.	Bars TSB Size	No.	Spacing in.	Length ft.	Bars EW E Size	No.	Spacing in.	Length ft.	Bar EW I 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
No Fill	10.5	8	13.33	4	1	12	12.83	7	2	6	12.83	4	2	12	7.50	4	2	12	7.50	47	24	2	2	1.66	1.04	189
3	10	8	13.33	4	1	12	12.83	11	1	12	12.83	4	2	12	7.50	4	2	12	7.50	47	24	2	2	1.66	1.02	204
5	10	8	13.33	4	1	12	12.83	7	2	6	12.83	4	2	12	7.50	4	2	12	7.50	60	0	2	2	1.66	1.02	182
10	10	8	13.33	4	1	12	12.83	11	1	12	12.83	4	2	12	7.50	5	2	12	7.50	60	0	2	2	1.66	1.02	203
20	13	8	13.33	4	1	12	12.83	9	2	6	12.83	4	2	12	7.50	7	2	12	7.50	60	0	2	2	1.66	1.14	237
30	19	10	13.67	4	1	12	13.16	11	1	12	13.16	4	2	12	7.50	4	4	6	7.50	60	0	2	2	1.83	1.52	209
40	24	11	13.83	4	1	12	13.33	11	1	12	13.33	4	2	12	7.50	6	2	12	7.50	60	0	2	2	1.91	1.80	213
50	28	13	14.17	4	1	12	13.66	11	1	12	13.66	4	2	12	7.50	5	2	12	7.50	62	0	2	2	2.08	2.11	209
60	31	14	14.33	4	1	12	13.83	9	2	6	13.83	4	2	12	7.50	5	4	12	7.50	62	0	2	2	2.16	2.31	231

1 @ 12 x10 REINFORCED CONCRETE SLAB BRIDGE

Fill Height ft.	Dimensions ST in.	WT in.	BW ft.	Bars TST Size	No.	Spacing in.	Length ft.	Bars TSB Size	No.	Spacing in.	Length ft.	Bars EW E Size	No.	Spacing in.	Length ft.	Bar EW I 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
No Fill	10.5	8	13.33	4	1	12	12.83	7	2	6	12.83	4	2	12	8.50	4	2	12	8.50	51	24	2	2	1.66	1.09	194
3	10	8	13.33	4	1	12	12.83	11	1	12	12.83	4	2	12	8.50	4	2	12	8.50	51	24	2	2	1.66	1.07	210
5	10	8	13.33	4	1	12	12.83	7	2	6	12.83	4	2	12	8.50	5	2	12	8.50	64	0	2	2	1.66	1.07	194
10	10	8	13.33	4	1	12	12.83	11	1	12	12.83	4	2	12	8.50	4	4	6	8.50	64	0	2	2	1.66	1.07	214
20	13	9	13.50	4	1	12	13.00	9	2	6	13.00	4	2	12	8.50	7	2	12	8.50	64	0	2	2	1.75	1.26	229
30	19	11	13.83	4	1	12	13.33	11	1	12	13.33	4	2	12	8.50	7	2	12	8.50	64	0	2	2	1.91	1.65	230
40	24	13	14.17	4	1	12	13.66	11	1	12	13.66	4	2	12	8.50	7	2	12	8.50	66	0	2	2	2.08	2.01	233
50	28	14	14.33	4	1	12	13.83	11	1	12	13.83	4	2	12	8.50	7	2	12	8.50	66	0	2	2	2.16	2.26	234
60	31	15	14.50	4	1	12	14.00	9	2	6	14.00	4	2	12	8.50	6	2	12	8.50	66	0	2	2	2.25	2.47	247

1 @ 12 x11 REINFORCED CONCRETE SLAB BRIDGE

Fill Height ft.	Dimensions ST in.	WT in.	BW ft.	Bars TST Size	No.	Spacing in.	Length ft.	Bars TSB Size	No.	Spacing in.	Length ft.	Bars EW E Size	No.	Spacing in.	Length ft.	Bar EW I 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
No Fill	10.5	8	13.33	4	1	12	12.83	7	2	6	12.83	4	2	12	9.50	4	2	12	9.50	59	24	2	2	1.66	1.14	212
3	10	8	13.33	4	1	12	12.83	11	1	12	12.83	4	2	12	9.50	5	2	12	9.50	59	24	2	2	1.66	1.12	228
5	10	8	13.33	4	1	12	12.83	7	2	6	12.83	4	2	12	9.50	4	2	12	9.50	72	0	2	2	1.66	1.12	226
10	10	8	13.33	4	1	12	12.83	11	1	12	12.83	4	2	12	9.50	8	2	12	9.50	72	0	2	2	1.66	1.12	256
20	13	10	13.67	4	1	12	13.16	9	2	6	13.16	4	2	12	9.50	8	2	12	9.50	72	0	2	2	1.83	1.39	278
30	19	12	14.00	4	1	12	13.50	11	1	12	13.50	4	2	12	9.50	8	2	12	9.50	74	0	2	2	2	1.80	262
40	24	14	14.33	4	1	12	13.83	11	1	12	13.83	4	2	12	9.50	5	4	6	9.50	74	0	2	2	2.16	2.17	264
50	28	15	14.50	4	1	12	14.00	11	1	12	14.00	4	2	12	9.50	5	4	6	9.50	74	0	2	2	2.25	2.43	266
60	31	17	14.83	4	1	12	14.33	9	2	6	14.33	4	2	12	9.50	7	2	12	9.50	76	0	2	2	2.41	2.74	280

1 @ 12 x12 REINFORCED CONCRETE SLAB BRIDGE

Fill Height ft.	Dimensions ST in.	WT in.	BW ft.	Bars TST Size	No.	Spacing in.	Length ft.	Bars TSB Size	No.	Spacing in.	Length ft.	Bars EW E Size	No.	Spacing in.	Length ft.	Bar EW I 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
No Fill	10.5	8	13.33	4	1	12	12.83	7	2	6	12.83	4	2	12	10.50	5	2	12	10.50	59	24	2	2	1.66	1.19	212
3	10	8	13.33	4	1	12	12.83	11	1	12	12.83	4	2	12	10.50	5	2	12	10.50	59	24	2	2	1.66	1.17	228
5	10	8	13.33	4	1	12	12.83	7	2	6	12.83	4	2	12	10.50	7	2	12	10.50	72	0	2	2	1.66	1.17	226
10	10	9	13.50	4	1	12	13.00	11	1	12	13.00	4	2	12	10.50	8	2	12	10.50	72	0	2	2	1.75	1.25	256
20	13	11	13.83	4	1	12	13.33	9	2	6	13.33	4	2	12	10.50	8	2	12	10.50	72	0	2	2	1.91	1.53	278
30	19	13	14.17	4	1	12	13.66	11	1	12	13.66	4	2	12	10.50	8	2	12	10.50	74	0	2	2	2.08	1.96	262
40	24	15	14.50	4	1	12	14.00	11	1	12	14.00	4	2	12	10.50	8	2	12	10.50	74	0	2	2	2.25	2.35	264
50	28	17	14.83	4	1	12	14.33	11	1	12	14.33	4	2	12	10.50	8	2	12	10.50	74	0	2	2	2.41	2.70	266
60	31	19	15.17	4	1	12	14.66	9	2	6	14.66	4	2	12	10.50	5	4	6	10.50	76	0	2	2	2.58	3.02	280

Note: Maximum fill height shown in the table 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 = 4 Spacing = 6 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 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: 1 BARREL AT 12'-0" CLEAR HEIGHTS 8'-0" THRU 12'-0" 0' THRU 60' FILL 2000

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

CORRECT Edward P. Wasserman
ENGINEER OF STRUCTURES

STD-15-101

FILE: stdf-2603
3-00