

CONST. NO.		
PROJECT NO.	YEAR	SHEET NO.
	2010	
REVISIONS		
NO.	DATE	BY
		BRIEF DESCRIPTION

3 @ 18 x 6 REINFORCED CONCRETE SLAB BRIDGE

	Fill Height ft.	Dimensions				Bars TST				Bars TSB				Bars EWE				Bars EWI				Bars IW				Bars LNT No.	Bars LND No.	Bars WS No.	Bars WF No.	Bars EWF Length ft.	Bars IWF Length ft.	Concrete CY/LF	Reinf. Steel LB/LF
		ST in.	WT in.	IT in.	BW ft.	Size	No.	Spacing in.	Length ft.	Size	No.	Spacing in.	Length ft.	Size	No.	Spacing in.	Length ft.	Size	No.	Spacing in.	Length ft.	Size	No.	Spacing in.	Length ft.								
Continuous	No Fill	11.5	8	8	56.67	8	2	6	56.17	8	2	6	56.17	4	2	12	4.50	5	2	12	4.50	4	4	12	4.50	100	108	4	4	1.67	1.67	2.71	888
	3	15	8	8	56.67	11	1	12	56.17	8	2	6	56.17	4	2	12	4.50	5	2	12	4.50	4	4	12	4.50	100	108	4	4	1.67	1.67	3.32	887
	5	16	8	8	56.67	11	1	12	56.17	7	2	6	56.17	4	2	12	4.50	5	2	12	4.50	4	4	12	4.50	156	0	4	4	1.67	1.67	3.49	782
	10	20	8	8	56.67	11	1	12	56.17	7	2	6	56.17	4	2	12	4.50	5	2	12	4.50	4	4	12	4.50	156	0	4	4	1.67	1.67	4.19	782
Moment Break	20	20	8	8	56.67	4	3	12	18.66	11	2	6	56.17	4	2	12	4.50	5	2	12	4.50	5	4	12	4.50	156	0	4	4	1.67	1.67	4.19	895
	30	29	8	8	56.67	4	3	12	18.66	10	2	6	56.17	4	2	12	4.50	5	2	12	4.50	4	8	6	4.50	156	0	4	4	1.67	1.67	5.77	786
	40	36	8	8	56.67	4	3	12	18.66	10	2	6	56.17	4	2	12	4.50	5	2	12	4.50	5	8	6	4.50	156	0	4	4	1.67	1.67	6.99	800
	50	41	8	8	56.67	4	3	12	18.66	10	2	6	56.17	4	2	12	4.50	6	4	6	4.50	6	8	6	4.50	156	0	4	4	1.67	1.67	7.87	834
	60	46	9	9	57.00	4	3	12	18.66	10	2	6	56.50	4	2	12	4.50	5	2	12	4.50	6	8	6	4.50	156	0	4	4	1.75	1.75	8.84	819

3 @ 18 x 7 REINFORCED CONCRETE SLAB BRIDGE

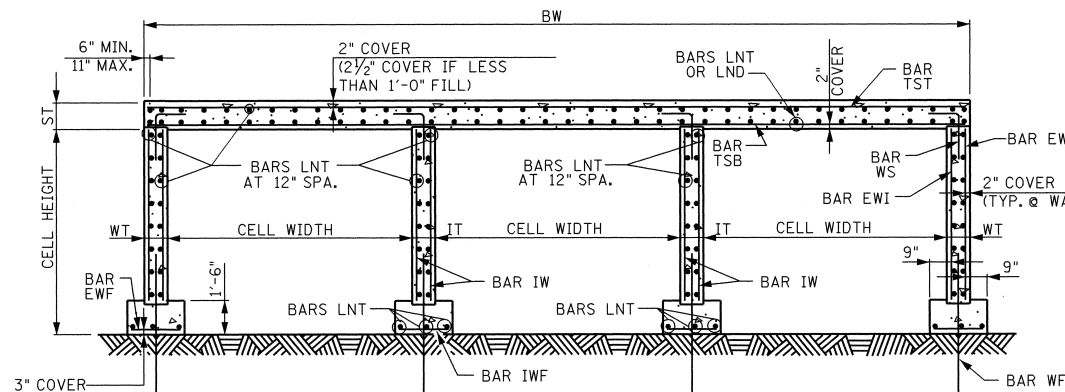
	Fill Height ft.	Dimensions				Bars TST				Bars TSB				Bars EWE				Bars EWI				Bars IW				Bars LNT No.	Bars LND No.	Bars WS No.	Bars WF No.	Bars EWF Length ft.	Bars IWF Length ft.	Concrete CY/LF	Reinf. Steel LB/LF
		ST in.	WT in.	IT in.	BW ft.	Size	No.	Spacing in.	Length ft.	Size	No.	Spacing in.	Length ft.	Size	No.	Spacing in.	Length ft.	Size	No.	Spacing in.	Length ft.	Size	No.	Spacing in.	Length ft.								
Continuous	No Fill	11.5	8	8	56.67	8	2	6	56.17	8	2	6	56.17	4	2	12	5.50	5	2	12	5.50	4	4	12	5.50	108	108	4	4	1.67	1.67	2.78	900
	3	15	8	8	56.67	11	1	12	56.17	8	2	6	56.17	4	2	12	5.50	5	2	12	5.50	4	4	12	5.50	108	108	4	4	1.67	1.67	3.39	898
	5	16	8	8	56.67	11	1	12	56.17	7	2	6	56.17	4	2	12	5.50	5	2	12	5.50	4	4	12	5.50	164	0	4	4	1.67	1.67	3.57	793
	10	20	8	8	56.67	11	1	12	56.17	7	2	6	56.17	4	2	12	5.50	5	2	12	5.50	4	4	12	5.50	164	0	4	4	1.67	1.67	4.27	793
Moment Break	20	20	8	8	56.67	4	3	12	18.66	11	2	6	56.17	4	2	12	5.50	5	2	12	5.50	5	4	12	5.50	164	0	4	4	1.67	1.67	4.27	907
	30	29	8	8	56.67	4	3	12	18.66	10	2	6	56.17	4	2	12	5.50	5	2	12	5.50	4	8	6	5.50	164	0	4	4	1.67	1.67	5.84	800
	40	36	9	8	56.83	4	3	12	18.66	10	2	6	56.33	4	2	12	5.50	5	2	12	5.50	5	8	6	5.50	164	0	4	4	1.75	1.67	7.13	819
	50	41	9	8	56.83	4	3	12	18.66	10	2	6	56.33	4	2	12	5.50	6	4	6	5.50	6	8	6	5.50	164	0	4	4	1.75	1.67	8.00	860
	60	46	10	9	57.17	4	3	12	18.66	10	2	6	56.67	4	2	12	5.50	5	4	6	5.50	6	8	6	5.50	166	0	4	4	1.83	1.75	8.99	855

3 @ 18 x 8 REINFORCED CONCRETE SLAB BRIDGE

	Fill Height ft.	Dimensions				Bars TST				Bars TSB				Bars EWE				Bars EWI				Bars IW				Bars LNT No.	Bars LND No.	Bars WS No.	Bars WF No.	Bars EWF Length ft.	Bars IWF Length ft.	Concrete CY/LF	Reinf. Steel LB/LF
		ST in.	WT in.	IT in.	BW ft.	Size	No.	Spacing in.	Length ft.	Size	No.	Spacing in.	Length ft.	Size	No.	Spacing in.	Length ft.	Size	No.	Spacing in.	Length ft.	Size	No.	Spacing in.	Length ft.								
Continuous	No Fill	11.5	8	8	56.67	8	2	6	56.17	8	2	6	56.17	4	2	12	6.50	5	2	12	6.50	4	4	12	6.50	116	108	4	4	1.67	1.67	2.85	911
	3	15	8	8	56.67	11	1	12	56.17	8	2	6	56.17	4	2	12	6.50	5	2	12	6.50	4	4	12	6.50	116	108	4	4	1.67	1.67	3.47	910
	5	16	8	8	56.67	11	1	12	56.17	7	2	6	56.17	4	2	12	6.50	5	2	12	6.50	4	4	12	6.50	172	0	4	4	1.67	1.67	3.64	804
	10	20	8	8	56.67	11	1	12	56.17	7	2	6	56.17	4	2	12	6.50	5	2	12	6.50	4	4	12	6.50	172	0	4	4	1.67	1.67	4.34	804
Moment Break	20	20	8	8	56.67	4	3	12	18.66	11	2	6	56.17	4	2	12	6.50	5	2	12	6.50	5	4	12	6.50	172	0	4	4	1.67	1.67	4.34	920
	30	29	8	8	56.67	4	3	12	18.66	10	2	6	56.17	4	2	12	6.50	7	4	6	6.50	4	8	6	6.50	172	0	4	4	1.67	1.67	5.91	854
	40	36	10	8	57.00	4	3	12	18.66	10	2	6	56.50	4	2	12	6.50	5	2	12	6.50	5	8	6	6.50	174	0	4	4	1.83	1.67	7.27	839
	50	41	10	8	57.00	4	3	12	18.66	10	2	6	56.50	4	2	12	6.50	7	4	6	6.50	6	8	6	6.50	174	0	4	4	1.83	1.67	8.15	902
	60	46	11	9	57.33	4	3	12	18.66	10	2	6	56.83	4	2	12	6.50	7	4	6	6.50	6	8	6	6.50	174	0	4	4	1.92	1.75	9.16	905

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 height of fill above the top slab is less than 1 foot, the top mat of reinforcing in the top slab shall be constructed with 2-1/2 inches of concrete cover.

The following bar information applies to all fill cases in the tables 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.
 Bars IWF Size = 4 No. = 2 Spacing = 12 in.
 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-17-5.

STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION
**STANDARD REINFORCED CONCRETE
 SLAB BRIDGE**
 INTERIOR SECTION
 SPANS: 3 BARRELS AT 18'-0"
 CLEAR HEIGHTS 6'-0" THRU 8'-0"
 0' THRU 60' FILL
 2010

DESIGNED BY: RLL/ALP DATE: 12-09
 DRAWN BY: KEVIN MARTINKO DATE: 1-10
 SUPERVISED BY: EPW/RLC DATE: 12-09
 CHECKED BY: RLL/ALP DATE: 2-10

CORRECT Edward P. Wasserman
 ENGINEER OF STRUCTURES