

2 @ 14 x 5 REINFORCED CONCRETE SLAB BRIDGE

	Fill Height ft.	Dimensions				Bars TST				Bars TSB				Bars EWE				Bars EWI				Bars IW				Bars LNT	Bars LND	Bars WS	Bars WF	Bars EWF	Bars IWF	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	30.00	7	2	6	29.50	7	2	6	29.50	4	2	12	3.50	5	2	12	3.50	4	2	12	3.50	59	56	3	3	1.67	1.67	1.69	426
	3	14	8	8	30.00	7	2	6	29.50	7	2	6	29.50	4	2	12	3.50	5	2	12	3.50	4	2	12	3.50	59	56	3	3	1.67	1.67	1.92	426
	5	14	8	8	30.00	8	2	6	29.50	6	2	6	29.50	4	2	12	3.50	5	2	12	3.50	4	2	12	3.50	87	0	3	3	1.67	1.67	1.92	412
	10	17	8	8	30.00	8	2	6	29.50	6	2	6	29.50	4	2	12	3.50	5	2	12	3.50	4	2	12	3.50	87	0	3	3	1.67	1.67	2.19	412
Moment Break	20	17	8	8	30.00	4	2	12	14.66	9	2	6	29.50	4	2	12	3.50	5	2	12	3.50	4	2	12	3.50	87	0	3	3	1.67	1.67	2.19	386
	30	23	8	8	30.00	4	2	12	14.66	9	2	6	29.50	4	2	12	3.50	5	2	12	3.50	5	2	12	3.50	87	0	3	3	1.67	1.67	2.75	389
	40	29	8	8	30.00	4	2	12	14.66	9	2	6	29.50	4	2	12	3.50	5	2	12	3.50	4	4	6	3.50	87	0	3	3	1.67	1.67	3.31	391
	50	33	8	8	30.00	4	2	12	14.66	9	2	6	29.50	4	2	12	3.50	5	2	12	3.50	5	4	6	3.50	87	0	3	3	1.67	1.67	3.68	396
	60	37	8	8	30.00	4	2	12	14.66	9	2	6	29.50	4	2	12	3.50	5	2	12	3.50	6	4	6	3.50	87	0	3	3	1.67	1.67	4.05	403

2 @ 14 x 6 REINFORCED CONCRETE SLAB BRIDGE

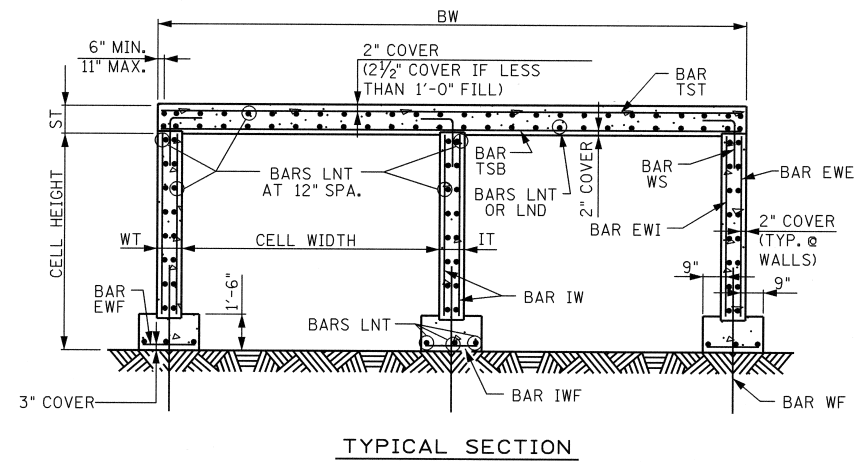
	Fill Height ft.	Dimensions				Bars TST				Bars TSB				Bars EWE				Bars EWI				Bars IW				Bars LNT	Bars LND	Bars WS	Bars WF	Bars EWF	Bars IWF	Concrete CY/LF	Reinf. Steel LB/LF
		ST in.	WT in.	IT in.	BW ft.	Size	No.	Spacing in.	Length ft.	Size	No.	Spacing in.	Length ft.	Size	No.	Spacing in.	Length ft.	Size	No.	Spacing in.	Length ft.	Size	No.	Spacing in.	Length ft.								
Continuous	No Fill	11.5	8	8	30.00	7	2	6	29.50	7	2	6	29.50	4	2	12	4.50	5	2	12	4.50	4	2	12	4.50	63	56	3	3	1.67	1.67	1.76	434
	3	14	8	8	30.00	7	2	6	29.50	7	2	6	29.50	4	2	12	4.50	5	2	12	4.50	4	2	12	4.50	63	56	3	3	1.67	1.67	1.99	434
	5	14	8	8	30.00	8	2	6	29.50	6	2	6	29.50	4	2	12	4.50	5	2	12	4.50	4	2	12	4.50	93	0	3	3	1.67	1.67	1.99	421
	10	17	8	8	30.00	8	2	6	29.50	6	2	6	29.50	4	2	12	4.50	5	2	12	4.50	4	2	12	4.50	93	0	3	3	1.67	1.67	2.27	421
Moment Break	20	17	8	8	30.00	4	2	12	14.66	9	2	6	29.50	4	2	12	4.50	5	2	12	4.50	4	2	12	4.50	93	0	3	3	1.67	1.67	2.27	395
	30	23	8	8	30.00	4	2	12	14.66	9	2	6	29.50	4	2	12	4.50	5	2	12	4.50	5	2	12	4.50	93	0	3	3	1.67	1.67	2.82	399
	40	29	8	8	30.00	4	2	12	14.66	9	2	6	29.50	4	2	12	4.50	5	2	12	4.50	4	4	6	4.50	93	0	3	3	1.67	1.67	3.38	401
	50	33	8	8	30.00	4	2	12	14.66	9	2	6	29.50	4	2	12	4.50	5	2	12	4.50	5	4	6	4.50	93	0	3	3	1.67	1.67	3.75	408
	60	37	9	8	30.17	4	2	12	14.66	9	2	6	29.67	4	2	12	4.50	5	2	12	4.50	6	4	6	4.50	93	0	3	3	1.75	1.67	4.18	417

2 @ 14 x 7 REINFORCED CONCRETE SLAB BRIDGE

	Fill Height ft.	Dimensions				Bars TST				Bars TSB				Bars EWE				Bars EWI				Bars IW				Bars LNT	Bars LND	Bars WS	Bars WF	Bars EWF	Bars IWF	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	30.00	7	2	6	29.50	7	2	6	29.50	4	2	12	5.50	5	2	12	5.50	4	2	12	5.50	69	56	3	3	1.67	1.67	1.83	442
	3	14	8	8	30.00	7	2	6	29.50	7	2	6	29.50	4	2	12	5.50	5	2	12	5.50	4	2	12	5.50	69	56	3	3	1.67	1.67	2.06	442
	5	14	8	8	30.00	8	2	6	29.50	6	2	6	29.50	4	2	12	5.50	5	2	12	5.50	4	2	12	5.50	99	0	3	3	1.67	1.67	2.06	430
	10	17	8	8	30.00	8	2	6	29.50	6	2	6	29.50	4	2	12	5.50	5	2	12	5.50	4	2	12	5.50	99	0	3	3	1.67	1.67	2.34	430
Moment Break	20	17	8	8	30.00	4	2	12	14.66	9	2	6	29.50	4	2	12	5.50	5	2	12	5.50	4	2	12	5.50	99	0	3	3	1.67	1.67	2.34	404
	30	23	8	8	30.00	4	2	12	14.66	9	2	6	29.50	4	2	12	5.50	5	2	12	5.50	5	2	12	5.50	99	0	3	3	1.67	1.67	2.90	408
	40	29	9	8	30.17	4	2	12	14.66	9	2	6	29.67	4	2	12	5.50	5	2	12	5.50	6	2	12	5.50	99	0	3	3	1.75	1.67	3.51	414
	50	33	9	8	30.17	4	2	12	14.66	9	2	6	29.67	4	2	12	5.50	5	2	12	5.50	5	4	6	5.50	99	0	3	3	1.75	1.67	3.88	421
	60	37	10	8	30.33	4	2	12	14.66	9	2	6	29.83	4	2	12	5.50	5	2	12	5.50	6	4	6	5.50	99	0	3	3	1.83	1.67	4.32	432

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. = 1 Spacing = 12 in.
 Bars EWF Size = 4 No. = 2 Spacing = 12 in.



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: 2 BARRELS AT 14'-0"
 CLEAR HEIGHTS 5'-0" THRU 7'-0"
 0' THRU 60' FILL
 2010

CORRECT *Edward P. Wasserman*
 ENGINEER OF STRUCTURES

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