

3 @ 6 x 3 REINFORCED CONCRETE SLAB BRIDGE

Fill Height ft.	Dimensions				Bars TST				Bars TSB				Bars EWE				Bar EWI				Bar IW				Bars LNT	Bars LND	Bars WS	Bars WF	Bars EWF	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.							
No Fill	8.5	8	8	20.67	7	1	12	20.16	7	1	12	20.16	4	2	12	1.50	4	2	12	1.50	4	4	12	1.50	40	18	4	4	1.66	1.16	257
3	8	8	8	20.67	5	2	6	20.16	7	1	12	20.16	4	2	12	1.50	4	2	12	1.50	4	4	12	1.50	40	18	4	4	1.66	1.13	258
5	8	8	8	20.67	5	1	12	20.16	4	1	12	20.16	4	2	12	1.50	4	2	12	1.50	4	4	12	1.50	60	0	4	4	1.66	1.13	204
10	8	8	8	20.67	4	2	6	20.16	5	1	12	20.16	4	2	12	1.50	4	2	12	1.50	4	4	12	1.50	60	0	4	4	1.66	1.13	217
20	8	8	8	20.67	4	3	12	6.66	6	2	6	20.16	4	2	12	1.50	4	2	12	1.50	4	4	12	1.50	60	0	4	4	1.66	1.13	243
30	11	8	8	20.67	4	3	12	6.66	8	1	12	20.16	4	2	12	1.50	4	2	12	1.50	4	4	12	1.50	60	0	4	4	1.66	1.33	237
40	14	8	8	20.67	4	3	12	6.60	8	1	12	20.16	4	2	12	1.50	4	2	12	1.50	4	4	12	1.50	60	0	4	4	1.66	1.52	237
50	16	8	8	20.67	4	3	12	6.66	8	1	12	20.16	4	2	12	1.50	4	2	12	1.50	4	4	12	1.50	60	0	4	4	1.66	1.65	237
60	17	8	8	20.67	4	3	12	6.66	6	2	6	20.16	4	2	12	1.50	4	2	12	1.50	5	4	12	1.50	60	0	4	4	1.66	1.71	246

3 @ 6 x 4 REINFORCED CONCRETE SLAB BRIDGE

Fill Height ft.	Dimensions				Bars TST				Bars TSB				Bars EWE				Bar EWI				Bar IW				Bars LNT	Bars LND	Bars WS	Bars WF	Bars EWF	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.							
No Fill	8.5	8	8	20.67	7	1	12	20.16	7	1	12	20.16	4	2	12	2.50	4	2	12	2.50	4	4	12	2.50	48	18	4	4	1.66	1.26	268
3	8	8	8	20.67	5	2	6	20.16	7	1	12	20.16	4	2	12	2.50	4	2	12	2.50	4	4	12	2.50	48	18	4	4	1.66	1.23	269
5	8	8	8	20.67	5	1	12	20.16	4	1	12	20.16	4	2	12	2.50	4	2	12	2.50	4	4	12	2.50	68	0	4	4	1.66	1.23	214
10	8	8	8	20.67	4	2	6	20.16	5	1	12	20.16	4	2	12	2.50	4	2	12	2.50	4	4	12	2.50	68	0	4	4	1.66	1.23	228
20	8	8	8	20.67	4	3	12	6.66	6	2	6	20.16	4	2	12	2.50	4	2	12	2.50	4	4	12	2.50	68	0	4	4	1.66	1.23	254
30	11	8	8	20.67	4	3	12	6.66	8	1	12	20.16	4	2	12	2.50	4	2	12	2.50	4	4	12	2.50	68	0	4	4	1.66	1.43	247
40	14	8	8	20.67	4	3	12	6.66	8	1	12	20.16	4	2	12	2.50	4	2	12	2.50	4	4	12	2.50	68	0	4	4	1.66	1.62	247
50	16	8	8	20.67	4	3	12	6.66	8	1	12	20.16	4	2	12	2.50	4	2	12	2.50	4	4	12	2.50	68	0	4	4	1.66	1.74	247
60	17	8	8	20.67	4	3	12	6.66	6	2	6	20.16	4	2	12	2.50	4	2	12	2.50	5	4	12	2.50	68	0	4	4	1.66	1.81	258

3 @ 6 x 5 REINFORCED CONCRETE SLAB BRIDGE

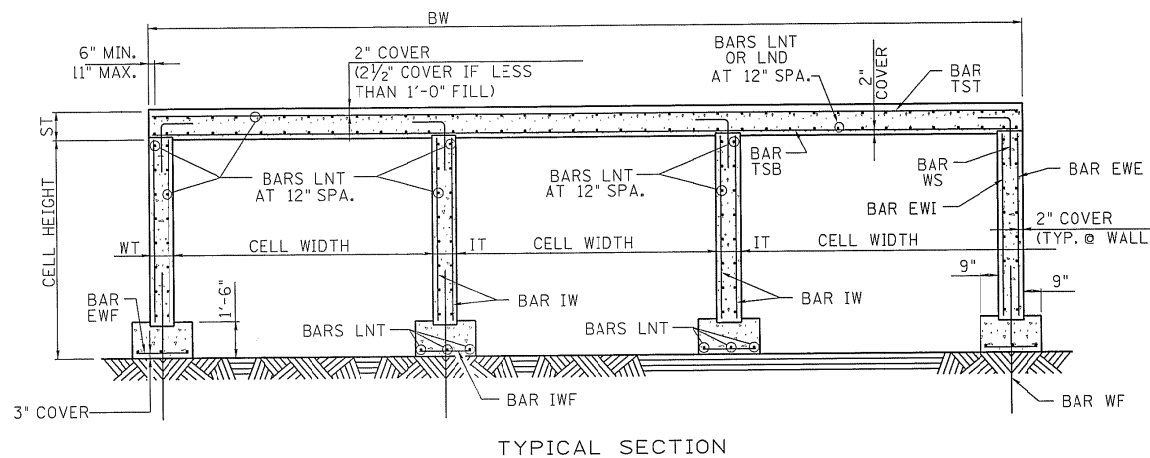
Fill Height ft.	Dimensions				Bars TST				Bars TSB				Bars EWE				Bar EWI				Bar IW				Bars LNT	Bars LND	Bars WS	Bars WF	Bars EWF	Concrete CY/LF	Reinf. Steel LB/LF
	ST in.	WT in.	IT in.	BW ft.	Size	No.	Spacing in.	Length ft.	Size	No.	Spacing in.	Length ft.	Size	No.	Spacing in.	Length ft.	Size	No.	Spacing in.	Length ft.	Size	No.	Spacing in.	Length ft.							
No Fill	8.5	8	8	20.67	7	1	12	20.16	7	1	12	20.16	4	2	12	3.50	4	2	12	3.50	4	4	12	3.50	56	18	4	4	1.66	1.36	259
3	8	8	8	20.67	5	2	6	20.16	7	1	12	20.16	4	2	12	3.50	4	2	12	3.50	4	4	12	3.50	56	18	4	4	1.66	1.33	279
5	8	8	8	20.67	5	1	12	20.16	4	1	12	20.16	4	2	12	3.50	4	2	12	3.50	4	4	12	3.50	76	0	4	4	1.66	1.33	226
10	8	8	8	20.67	4	2	6	20.16	5	1	12	20.16	4	2	12	3.50	4	2	12	3.50	4	4	12	3.50	76	0	4	4	1.66	1.33	239
20	8	8	8	20.67	4	3	12	6.66	6	2	6	20.16	4	2	12	3.50	4	2	12	3.50	4	4	12	3.50	76	0	4	4	1.66	1.33	265
30	11	8	8	20.67	4	3	12	6.66	8	1	12	20.16	4	2	12	3.50	4	2	12	3.50	4	4	12	3.50	76	0	4	4	1.66	1.52	258
40	14	8	8	20.67	4	3	12	6.66	8	1	12	20.16	4	2	12	3.50	4	2	12	3.50	4	4	12	3.50	76	0	4	4	1.66	1.72	258
50	16	8	8	20.67	4	3	12	6.66	8	1	12	20.16	4	2	12	3.50	4	2	12	3.50	4	4	12	3.50	76	0	4	4	1.66	1.84	258
60	17	8	8	20.67	4	3	12	6.66	6	2	6	20.16	4	2	12	3.50	4	2	12	3.50	5	4	12	3.50	76	0	4	4	1.66	1.91	270

3 @ 6 x 6 REINFORCED CONCRETE SLAB BRIDGE

Fill Height ft.	Dimensions				Bars TST				Bars TSB				Bars EWE				Bar EWI				Bar IW				Bars LNT	Bars LND	Bars WS	Bars WF	Bars EWF	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.							
No Fill	8.5	8	8	20.67	7	1	12	20.16	7	1	12	20.16	4	2	12	4.50	4	2	12	4.50	4	4	12	4.50	64	18	4	4	1.66	1.46	290
3	8	8	8	20.67	5	2	6	20.16	7	1	12	20.16	4	2	12	4.50	4	2	12	4.50	4	4	12	4.50	64	18	4	4	1.66	1.43	291
5	8	8	8	20.67	5	1	12	20.16	4	1	12	20.16	4	2	12	4.50	4	2	12	4.50	4	4	12	4.50	86	0	4	4	1.66	1.43	236
10	8	8	8	20.67	4	2	6	20.16	5	1	12	20.16	4	2	12	4.50	4	2	12	4.50	4	4	12	4.50	86	0	4	4	1.66	1.43	250
20	8	8	8	20.67	4	3	12	6.66	6	2	6	20.16	4	2	12	4.50	4	2	12	4.50	4	4	12	4.50	86	0	4	4	1.66	1.43	275
30	11	8	8	20.67	4	3	12	6.66	8	1	12	20.16	4	2	12	4.50	4	2	12	4.50	4	4	12	4.50	86	0	4	4	1.66	1.62	269
40	14	8	8	20.67	4	3	12	6.66	8	1	12	20.16	4	2	12	4.50	5	2	12	4.50	4	4	12	4.50	86	0	4	4	1.66	1.81	272
50	16	9	8	20.83	4	3	12	6.66	8	1	12	20.33	4	2	12	4.50	4	2	12	4.50	4	4	12	4.50	86	0	4	4	1.75	1.99	269
60	17	10	8	21.00	4	3	12	6.66	6	2	6	20.50	4	2	12	4.50	4	2	12	4.50	5	4	12	4.50	86	0	4	4	1.83	2.10	284

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

CORRECT *Edward P. Wasserman*
 ENGINEER OF STRUCTURES