

CONST. NO.			
PROJECT NO.	YEAR	SHEET NO.	
REVISIONS			
NO.	DATE	BY	BRIEF DESCRIPTION
1	2-28-03	JHW	CHANGED NOTE

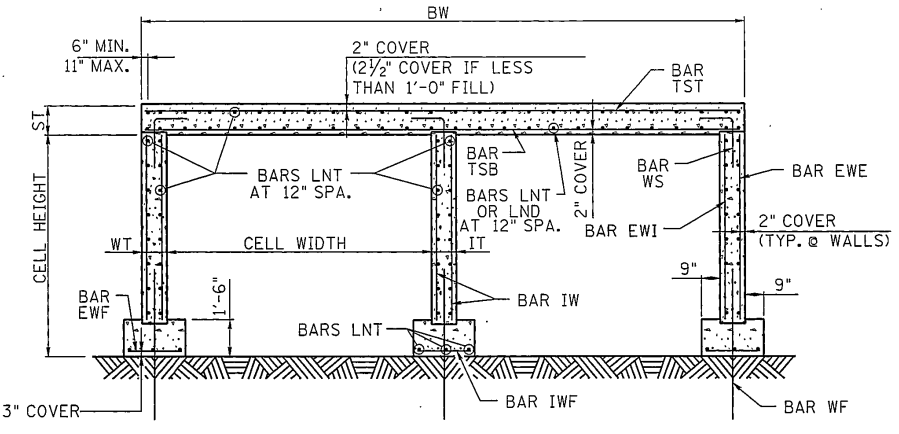
2 @ 14 x 5 REINFORCED CONCRETE SLAB BRIDGE																															
Fill Height ft.	Dimensions				Bars TST				Bars TSB				Bars EWE				Bar EWI				Bar W				Bars LNT	Bars LND	Bars WS	Bars WF	Bars EWF	Concrete CY/LF	Reinf. Steel LB/LF
	ST in.	WT in.	IT in.	BW ft.	Size	No.	Spacing in.	Length ft.	Size	No.	Spacing in.	Length ft.	Size	No.	Spacing in.	Length ft.	Size	No.	Spacing in.	Length ft.	Size	No.	Spacing in.	Length ft.	No.	No.	No.	No.	Length ft.		
No Fill	10.5	8	8	30.00	7	2	6	29.50	6	2	6	29.50	4	2	12	3.50	4	2	12	3.50	4	2	12	3.50	59	28	3	3	1.66	1.59	381
3	11	8	8	30.00	7	2	6	29.50	6	2	6	29.50	4	2	12	3.50	4	2	12	3.50	4	2	12	3.50	59	28	3	3	1.66	1.63	381
5	11	8	8	30.00	10	1	12	29.50	8	1	12	29.50	4	2	12	3.50	4	2	12	3.50	4	2	12	3.50	87	0	3	3	1.66	1.63	369
10	12	8	8	30.00	11	1	12	29.50	8	1	12	29.50	4	2	12	3.50	4	2	12	3.50	4	2	12	3.50	87	0	3	3	1.66	1.73	399
20	15	8	8	30.00	4	2	12	14.66	9	2	6	29.50	4	2	12	3.50	4	2	12	3.50	4	2	12	3.50	87	0	3	3	1.66	2.00	383
30	22	8	8	30.00	4	2	12	14.66	9	2	6	29.50	4	2	12	3.50	4	2	12	3.50	5	2	12	3.50	87	0	3	3	1.66	2.65	386
40	28	8	8	30.00	4	2	12	14.66	9	2	6	29.50	4	2	12	3.50	4	2	12	3.50	6	2	12	3.50	87	0	3	3	1.66	3.21	389
50	32	8	8	30.00	4	2	12	14.66	9	2	6	29.50	4	2	12	3.50	4	2	12	3.50	7	2	12	3.50	87	0	3	3	1.66	3.58	393
60	36	8	8	30.00	4	2	12	14.66	9	2	6	29.50	4	2	12	3.50	4	2	12	3.50	8	2	12	3.50	87	0	3	3	1.66	3.95	397

2 @ 14 x 6 REINFORCED CONCRETE SLAB BRIDGE																															
Fill Height ft.	Dimensions				Bars TST				Bars TSB				Bars EWE				Bar EWI				Bar W				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.	No.	No.	No.	Length ft.		
No Fill	10.5	8	8	30.00	7	2	6	29.50	6	2	6	29.50	4	2	12	4.50	4	2	12	4.50	4	2	12	4.50	63	28	3	3	1.66	1.67	389
3	11	8	8	30.00	7	2	6	29.50	6	2	6	29.50	4	2	12	4.50	4	2	12	4.50	4	2	12	4.50	63	28	3	3	1.66	1.71	389
5	11	8	8	30.00	10	1	12	29.50	8	1	12	29.50	4	2	12	4.50	4	2	12	4.50	4	2	12	4.50	93	0	3	3	1.66	1.71	377
10	12	8	8	30.00	11	1	12	29.50	8	1	12	29.50	4	2	12	4.50	4	2	12	4.50	4	2	12	4.50	93	0	3	3	1.66	1.80	407
20	15	8	8	30.00	4	2	12	14.66	9	2	6	29.50	4	2	12	4.50	4	2	12	4.50	4	2	12	4.50	93	0	3	3	1.66	2.08	391
30	22	8	8	30.00	4	2	12	14.66	9	2	6	29.50	4	2	12	4.50	4	2	12	4.50	5	2	12	4.50	93	0	3	3	1.66	2.73	395
40	28	8	8	30.16	4	2	12	14.66	9	2	6	29.66	4	2	12	4.50	4	2	12	4.50	6	2	12	4.50	93	0	3	3	1.66	3.28	399
50	32	8	8	30.16	4	2	12	14.66	9	2	6	29.66	4	2	12	4.50	4	2	12	4.50	7	2	12	4.50	93	0	3	3	1.66	3.65	404
60	36	9	8	30.16	4	2	12	14.66	9	2	6	29.66	4	2	12	4.50	4	2	12	4.50	8	2	12	4.50	93	0	3	3	1.75	4.08	410

2 @ 14 x 7 REINFORCED CONCRETE SLAB BRIDGE																															
Fill Height ft.	Dimensions				Bars TST				Bars TSB				Bars EWE				Bar EWI				Bar W				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.	No.	No.	No.	Length ft.		
No Fill	10.5	8	8	30.00	7	2	6	29.50	6	2	6	29.50	4	2	12	5.50	4	2	12	5.50	4	2	12	5.50	69	28	3	3	1.66	1.74	397
3	11	8	8	30.00	7	2	6	29.50	6	2	6	29.50	4	2	12	5.50	4	2	12	5.50	4	2	12	5.50	69	28	3	3	1.66	1.78	397
5	11	8	8	30.00	10	1	12	29.50	8	1	12	29.50	4	2	12	5.50	4	2	12	5.50	4	2	12	5.50	99	0	3	3	1.66	1.78	385
10	12	8	8	30.00	11	1	12	29.50	8	1	12	29.50	4	2	12	5.50	4	2	12	5.50	4	2	12	5.50	99	0	3	3	1.66	1.87	415
20	15	8	8	30.00	4	2	12	14.66	9	2	6	29.50	4	2	12	5.50	4	2	12	5.50	4	2	12	5.50	99	0	3	3	1.66	2.15	399
30	22	8	8	30.00	4	2	12	14.66	9	2	6	29.50	4	2	12	5.50	4	2	12	5.50	5	2	12	5.50	99	0	3	3	1.66	2.80	403
40	28	9	8	30.16	4	2	12	14.66	9	2	6	29.66	4	2	12	5.50	4	2	12	5.50	6	2	12	5.50	99	0	3	3	1.75	3.41	410
50	32	9	8	30.16	4	2	12	14.66	9	2	6	29.66	4	2	12	5.50	4	2	12	5.50	7	2	12	5.50	99	0	3	3	1.75	3.79	416
60	36	10	8	30.33	4	2	12	14.66	9	2	6	29.83	4	2	12	5.50	4	2	12	5.50	8	2	12	5.50	99	0	3	3	1.83	4.22	424

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 IW Size = 4 No. = 1 Space = 12 in. Length = 1.66 ft.
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-15-4.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
STANDARD REINFORCED CONCRETE
SLAB BRIDGE
INTERIOR SECTION
SPANS: 2 BARREL AT 14'-0"
CLEAR HEIGHTS 5'-0" THRU 7'-0"
0' THRU 60' FILL
2000

CORRECT *Edward P. Wasserman*
ENGINEER OF STRUCTURES

DESIGNED BY IHAB YOUSSEF DATE 9-99
DRAWN BY KEVIN MARTINKO DATE 3-00
SUPERVISED BY FIELDS & HOLLORAN DATE 3-00
CHECKED BY IHAB YOUSSEF DATE 6-00