CONST. NO. _____

PROJECT NO.	YEAR	SHEET NO.

REVISIONS

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

2 @ 16 x 6 REINFORCED CONCRETE SLAB BRIDGE

	Fill Height ft.	Dimensions ST in.	WT in.	IT in.	BW ft.	Bars TST Size	No.	Spacing in.	Length ft.	Bars TSB Size	No.	Spacing in.	Length ft.	Bars EWE Size	No.	Spacing in.	Length ft.	Bar EWI Size	No.	Spacing in.	Length ft.	Bar IW 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
Continuous	No Fill	10.5	8	8	34.00	10	1	12	33.50	9	1	12	33.50	4	2	12	4.50	4	2	12	4.50	4	2	12	4.50	67	32	3	3	1.66	1.79	445
	3	12	8	8	34.00	7	2	6	33.50	9	1	12	33.50	4	2	12	4.50	4	2	12	4.50	4	2	12	4.50	67	32	3	3	1.66	1.95	438
	5	12	8	8	34.00	11	1	12	33.50	8	1	12	33.50	4	2	12	4.50	4	2	12	4.50	4	2	12	4.50	101	0	3	3	1.66	1.95	443
	10	13	8	8	34.00	9	2	6	33.50	6	2	6	33.50	4	2	12	4.50	4	2	12	4.50	4	2	12	4.50	101	0	3	3	1.66	2.05	504
Moment Break	20	16	8	8	34.00	4	2	12	16.66	10	2	6	33.50	4	2	12	4.50	4	2	12	4.50	5	2	12	4.50	101	0	3	3	1.66	2.37	490
	30	25	8	8	34.00	4	2	12	16.66	9	2	6	33.50	4	2	12	4.50	4	2	12	4.50	4	4	6	4.50	101	0	3	3	1.66	3.31	432
	40	31	8	8	34.00	4	2	12	16.66	9	2	6	33.50	4	2	12	4.50	4	2	12	4.50	7	2	12	4.50	101	0	3	3	1.66	3.94	438
	50	36	8	8	34.00	4	2	12	16.66	10	2	6	33.50	4	2	12	4.50	4	2	12	4.50	8	2	12	4.50	101	0	3	3	1.66	4.47	505
	60	40	9	8	34.17	4	2	12	16.66	10	2	6	33.66	4	2	12	4.50	4	2	12	4.50	6	4	6	4.50	101	0	3	3	1.75	4.94	509

2 @ 16 x 7 REINFORCED CONCRETE SLAB BRIDGE

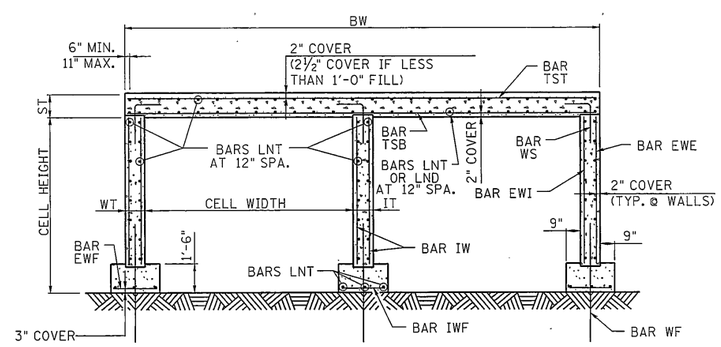
	Fill Height ft.	Dimensions ST in.	WT in.	IT in.	BW ft.	Bars TST Size	No.	Spacing in.	Length ft.	Bars TSB Size	No.	Spacing in.	Length ft.	Bars EWE Size	No.	Spacing in.	Length ft.	Bar EWI Size	No.	Spacing in.	Length ft.	Bar IW Size	No.	Spacing in.	Length ft.	Bars LNT No.	Bars LND No.	Bars WS No.	Bars WF No.	Bars EWF Length ft.	Concrete CY/LF	Reinf. Steel LB/LF
Continuous	No Fill	10.5	8	8	34.00	10	1	12	33.50	9	1	12	33.50	4	2	12	5.50	4	2	12	5.50	4	2	12	5.50	73	32	3	3	1.66	1.86	453
	3	12	8	8	34.00	7	2	6	33.50	9	1	12	33.50	4	2	12	5.50	4	2	12	5.50	4	2	12	5.50	73	32	3	3	1.66	2.02	446
	5	12	8	8	34.00	11	1	12	33.50	8	1	12	33.50	4	2	12	5.50	4	2	12	5.50	4	2	12	5.50	107	0	3	3	1.66	2.02	451
	10	13	8	8	34.00	9	2	6	33.50	6	2	6	33.50	4	2	12	5.50	4	2	12	5.50	4	2	12	5.50	107	0	3	3	1.66	2.13	512
Moment Break	20	16	8	8	34.00	4	2	12	16.66	10	2	6	33.50	4	2	12	5.50	4	2	12	5.50	5	2	12	5.50	107	0	3	3	1.66	2.44	499
	30	25	8	8	34.00	4	2	12	16.66	9	2	6	33.50	4	2	12	5.50	4	2	12	5.50	4	4	6	5.50	107	0	3	3	1.66	3.39	441
	40	31	9	8	34.17	4	2	12	16.66	9	2	6	33.66	4	2	12	5.50	4	2	12	5.50	7	2	12	5.50	107	0	3	3	1.75	4.08	450
	50	36	9	8	34.17	4	2	12	16.66	10	2	6	33.66	4	2	12	5.50	4	2	12	5.50	8	2	12	5.50	107	0	3	3	1.75	4.60	518
	60	40	10	8	34.33	4	2	12	16.66	10	2	6	33.83	4	2	12	5.50	4	2	12	5.50	6	4	6	5.50	107	0	3	3	1.83	5.09	523

2 @ 16 x 8 REINFORCED CONCRETE SLAB BRIDGE

	Fill Height ft.	Dimensions ST in.	WT in.	IT in.	BW ft.	Bars TST Size	No.	Spacing in.	Length ft.	Bars TSB Size	No.	Spacing in.	Length ft.	Bars EWE Size	No.	Spacing in.	Length ft.	Bar EWI Size	No.	Spacing in.	Length ft.	Bar IW 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
Continuous	No Fill	10.5	8	8	34.00	10	1	12	33.50	9	1	12	33.50	4	2	12	6.50	4	2	12	6.50	4	2	12	6.50	79	32	3	3	1.66	1.94	461
	3	12	8	8	34.00	7	2	6	33.50	9	1	12	33.50	4	2	12	6.50	4	2	12	6.50	4	2	12	6.50	79	32	3	3	1.66	2.10	454
	5	12	8	8	34.00	11	1	12	33.50	8	1	12	33.50	4	2	12	6.50	4	2	12	6.50	4	2	12	6.50	113	0	3	3	1.66	2.10	459
	10	13	8	8	34.00	9	2	6	33.50	6	2	6	33.50	4	2	12	6.50	4	2	12	6.50	4	2	12	6.50	113	0	3	3	1.66	2.20	520
Moment Break	20	16	8	8	34.00	4	2	12	16.66	10	2	6	33.50	4	2	12	6.50	5	2	12	6.50	5	2	12	6.50	113	0	3	3	1.66	2.52	512
	30	25	9	8	34.17	4	2	12	16.66	9	2	6	33.66	4	2	12	6.50	4	2	12	6.50	4	4	6	6.50	113	0	3	3	1.75	3.52	452
	40	31	10	8	34.33	4	2	12	16.66	9	2	6	33.83	4	2	12	6.50	4	2	12	6.50	7	2	12	6.50	113	0	3	3	1.83	4.22	462
	50	36	11	8	34.50	4	2	12	16.66	10	2	6	34.00	4	2	12	6.50	4	2	12	6.50	4	2	12	6.50	113	0	3	3	1.91	4.82	533
	60	40	12	8	34.67	4	2	12	16.66	10	2	6	34.16	4	2	12	6.50	4	2	12	6.50	6	4	6	6.50	113	0	3	3	2	5.31	539

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.
1 Bars IWF 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 16'-0"
CLEAR HEIGHTS 6'-0" THRU 8'-0"
0' THRU 60' FILL
2000

CORRECT Edward P. Wasserman
ENGINEER OF STRUCTURES

DESIGNED BY JOHN PHILLIPS DATE 1-00
DRAWN BY KEVIN MARTINKO DATE 3-00
SUPERVISED BY FIELDS & HOLLORAN DATE 3-00
CHECKED BY JOHN PHILLIPS DATE 6-00

STD-15-125