

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
06/03/10				6	ARK.			
				JOB NO.		1 10394	72	196
				06830	1050' DEFLECT. SCHED.			41984

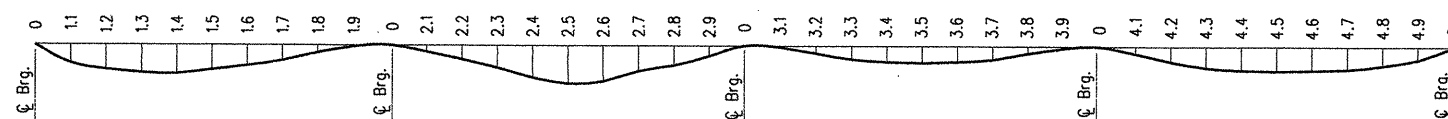
TABLE OF DEAD LOAD DEFLECTION ( IN )TABLE OF DEAD LOAD DEFLECTION ( IN )TABLE OF DEAD LOAD DEFLECTION ( IN )TABLE OF DEAD LOAD DEFLECTION ( IN )

1050' GIRDER LINE 4				
Span	POINT OF DEFLEC.	STRUCTURAL STEEL	STRUCTURAL STEEL +SLAB	STRUCTURAL STEEL +SLAB +PARAPET
1	0	0	0	0
	1.1	0.57	1.63	1.82
	1.2	1.02	2.92	3.27
	1.3	1.26	3.67	4.12
	1.4	1.27	3.78	4.26
	1.5	1.07	3.31	3.74
	1.6	0.71	2.38	2.71
	1.7	0.31	1.28	1.48
	1.8	-0.01	0.33	0.40
	1.9	-0.14	-0.16	-0.16
2	0	0	0	0
	2.1	0.71	1.50	1.67
	2.2	1.82	4.01	4.46
	2.3	3.02	6.81	7.56
	2.4	3.94	8.98	9.96
	2.5	4.36	9.99	11.08
	2.6	4.19	9.61	10.66
	2.7	3.45	7.90	8.76
	2.8	2.25	5.12	5.68
	2.9	0.97	2.17	2.40
3	0	0	0	0
	3.1	-0.36	-0.74	-0.79
	3.2	-0.49	-0.92	-0.96
	3.3	-0.44	-0.69	-0.69
	3.4	-0.27	-0.23	-0.18
	3.5	-0.10	0.19	0.29
	3.6	0.00	0.39	0.50
	3.7	0.00	0.31	0.40
	3.8	-0.04	0.07	0.11
	3.9	-0.08	-0.12	-0.12
4	0	0	0	0
	4.1	0.19	0.44	0.48
	4.2	0.46	1.10	1.21
	4.3	0.73	1.78	1.97
	4.4	0.96	2.37	2.62
	4.5	1.10	2.73	3.01
	4.6	1.11	2.77	3.06
	4.7	0.99	2.48	2.74
	4.8	0.75	1.88	2.07
	4.9	0.40	1.01	1.11
5	0	0	0	0
	5.1	0.19	0.44	0.48
	5.2	0.46	1.10	1.21
	5.3	0.73	1.78	1.97
	5.4	0.96	2.37	2.62
	5.5	1.10	2.73	3.01
	5.6	1.11	2.77	3.06
	5.7	0.99	2.48	2.74
	5.8	0.75	1.88	2.07
	5.9	0.40	1.01	1.11

1050' GIRDER LINE 3				
Span	POINT OF DEFLEC.	STRUCTURAL STEEL	STRUCTURAL STEEL +SLAB	STRUCTURAL STEEL +SLAB +PARAPET
1	0	0	0	0
	1.1	0.47	1.36	1.52
	1.2	0.83	2.43	2.73
	1.3	1.02	3.02	3.40
	1.4	1.00	3.06	3.45
	1.5	0.80	2.59	2.94
	1.6	0.47	1.74	2.00
	1.7	0.12	0.78	0.92
	1.8	-0.12	0.03	0.06
	1.9	-0.19	-0.29	-0.31
2	0	0	0	0
	2.1	0.77	1.66	1.85
	2.2	1.93	4.31	4.80
	2.3	3.15	7.16	7.96
	2.4	4.08	9.34	10.37
	2.5	4.48	10.31	11.44
	2.6	4.28	9.86	10.94
	2.7	3.52	8.08	8.97
	2.8	2.30	5.24	5.82
	2.9	0.99	2.23	2.47
3	0	0	0	0
	3.1	-0.37	-0.77	-0.82
	3.2	-0.50	-0.96	-1.01
	3.3	-0.46	-0.75	-0.75
	3.4	-0.31	-0.33	-0.29
	3.5	-0.15	0.05	0.13
	3.6	-0.06	0.23	0.33
	3.7	-0.05	0.16	0.23
	3.8	-0.10	-0.07	-0.04
	3.9	-0.11	-0.20	-0.20
4	0	0	0	0
	4.1	0.23	0.55	0.61
	4.2	0.54	1.31	1.45
	4.3	0.87	2.13	2.35
	4.4	1.14	2.82	3.12
	4.5	1.29	3.22	3.56
	4.6	1.30	3.26	3.60
	4.7	1.16	2.91	3.21
	4.8	0.87	2.19	2.42
	4.9	0.47	1.18	1.30
5	0	0	0	0
	5.1	0.23	0.55	0.61
	5.2	0.54	1.31	1.45
	5.3	0.87	2.13	2.35
	5.4	1.14	2.82	3.12
	5.5	1.29	3.22	3.56
	5.6	1.30	3.26	3.60
	5.7	1.16	2.91	3.21
	5.8	0.87	2.19	2.42
	5.9	0.47	1.18	1.30

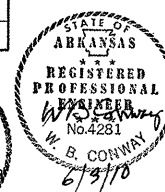
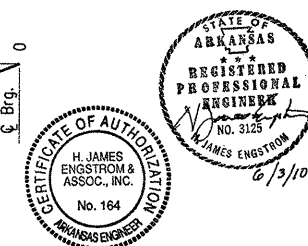
1050' GIRDER LINE 2				
Span	POINT OF DEFLEC.	STRUCTURAL STEEL	STRUCTURAL STEEL +SLAB	STRUCTURAL STEEL +SLAB +PARAPET
1	0	0	0	0
	1.1	0.39	1.15	1.29
	1.2	0.68	2.02	2.27
	1.3	0.82	2.49	2.80
	1.4	0.78	2.47	2.79
	1.5	0.59	2.03	2.31
	1.6	0.30	1.28	1.48
	1.7	0.01	0.46	0.55
	1.8	-0.19	-0.16	-0.15
	1.9	-0.21	-0.36	-0.39
2	0	0	0	0
	2.1	0.80	1.75	1.95
	2.2	1.98	4.45	4.96
	2.3	3.23	7.36	8.18
	2.4	4.16	9.57	10.63
	2.5	4.57	10.56	11.72
	2.6	4.38	10.11	11.22
	2.7	3.60	8.30	9.21
	2.8	2.36	5.40	5.99
	2.9	1.03	2.32	2.57
3	0	0	0	0
	3.1	-0.40	-0.84	-0.90
	3.2	-0.57	-1.13	-1.19
	3.3	-0.56	-1.00	-1.03
	3.4	-0.42	-0.61	-0.60
	3.5	-0.27	-0.25	-0.19
	3.6	-0.17	-0.06	0.01
	3.7	-0.15	-0.10	-0.05
	3.8	-0.17	-0.25	-0.24
	3.9	-0.15	-0.31	-0.32
4	0	0	0	0
	4.1	0.28	0.67	0.74
	4.2	0.65	1.58	1.75
	4.3	1.03	2.54	2.81
	4.4	1.33	3.31	3.66
	4.5	1.51	3.78	4.18
	4.6	1.52	3.82	4.22
	4.7	1.35	3.40	3.75
	4.8	1.02	2.57	2.84
	4.9	0.54	1.37	1.51
5	0	0	0	0
	5.1	0.28	0.67	0.74
	5.2	0.65	1.58	1.75
	5.3	1.03	2.54	2.81
	5.4	1.33	3.31	3.66
	5.5	1.51	3.78	4.18
	5.6	1.52	3.82	4.22
	5.7	1.35	3.40	3.75
	5.8	1.02	2.57	2.84
	5.9	0.54	1.37	1.51

1050' GIRDER LINE 1				
Span	POINT OF DEFLEC.	STRUCTURAL STEEL	STRUCTURAL STEEL +SLAB	STRUCTURAL STEEL +SLAB +PARAPET
1	0	0	0	0
	1.1	0.30	0.92	1.03
	1.2	0.52	1.61	1.81
	1.3	0.61	1.94	2.19
	1.4	0.55	1.86	2.11
	1.5	0.37	1.43	1.64
	1.6	0.10	0.75	0.88
	1.7	-0.14	0.06	0.10
	1.8	-0.28	-0.41	-0.43
	1.9	-0.25	-0.47	-0.51
2	0	0	0	0
	2.1	0.86	1.90	2.12
	2.2	2.08	4.71	5.25
	2.3	3.34	7.67	8.53
	2.4	4.27	9.87	10.96
	2.5	4.67	10.82	12.01
	2.6	4.45	10.31	11.44
	2.7	3.65	8.45	9.38
	2.8	2.40	5.51	6.12
	2.9	1.05	2.38	2.64
3	0	0	0	0
	3.1	-0.42	-0.89	-0.95
	3.2	-0.59	-1.19	-1.26
	3.3	-0.59	-1.09	-1.13
	3.4	-0.47	-0.74	-0.74
	3.5	-0.33	-0.41	-0.37
	3.6	-0.24	-0.24	-0.19
	3.7	-0.22	-0.28	-0.25
	3.8	-0.23	-0.41	-0.41
	3.9	-0.19	-0.40	-0.42
4	0	0	0	0
	4.1	0.33	0.80	0.88
	4.2	0.76	1.86	2.06
	4.3	1.19	2.96	3.27
	4.4	1.54	3.85	4.26
	4.5	1.74	4.37	4.83
	4.6	1.75	4.41	4.87
	4.7	1.56	3.93	4.34
	4.8	1.17	2.96	3.27
	4.9	0.63	1.59	1.75
5	0	0	0	0
	5.1	0.33	0.80	0.88
	5.2	0.76	1.86	2.06
	5.3	1.19	2.96	3.27
	5.4	1.54	3.85	4.26
	5.5	1.74	4.37	4.83
	5.6	1.75	4.41	4.87
	5.7	1.56	3.93	4.34
	5.8	1.17	2.96	3.27
	5.9	0.63	1.59	1.75



DEAD LOAD DEFLECTION DIAGRAM

Note :  
Camber for Dead Load Deflection  $\pm 1/4"$  Tolerance.  
Deflections shown are from a Chord from Centerline  
Bearing to Centerline Bearing. Vertical Curve not  
included. Negative Sign (-) indicates point above Chord.



REVISD AND REDRAWN By AHTD  
06/03/10 MJT CHECKED BY: HJE/MM

ALTERNATES NO. 1 & NO. 2  
BRIDGE OVER WHITE RIVER  
(SHEET 6 OF 15)

DETAILS OF 1050'-0" CONT. COMP.  
PLATE GIRDER UNIT

WHITE RIVER STR. & APPRS.  
(CLARENDON) (PH 11) (F)  
MONROE COUNTY

Engstrom/Modjeski and Masters  
ROUTE 79 SEC. 13

ARKANSAS STATE HIGHWAY COMMISSION

LITTLE ROCK, ARK.

DRAWN BY: DLG DATE: Nov. 07 FILENAME: b110394\_s06  
CHECKED BY: CDE DATE: Nov. 01 SCALE: 3/4"=1'-0"  
DESIGNED BY: JHG DATE: Nov. 01  
BRIDGE NO. 06830 DRAWING NO. 41984