

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 Beging. Vertical Curve Corrections
not included. Negative Sign (-) indicates point above Chord.

TABLE OF DEAD LOAD DEFLECTION (IN)

386' UNIT

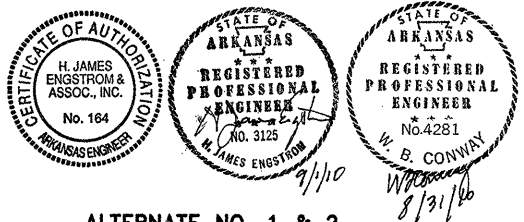
386' Girder Line 1				
Span	POINT OF DEFLEC.	STRUCTURAL STEEL	STRUCTURAL STEEL +SLAB	STRUCTURAL STEEL +SLAB + PARAPET
1	0	0	0	0
	1.1	0.21	0.71	0.78
	1.2	0.39	1.31	1.43
	1.3	0.51	1.69	1.85
	1.4	0.55	1.82	2.00
	1.5	0.51	1.69	1.86
	1.6	0.42	1.37	1.52
	1.7	0.28	0.92	1.02
	1.8	0.14	0.45	0.51
	1.9	0.04	0.20	0.22
2	0	0	0	0
	2.1	0.10	0.35	0.37
	2.2	0.27	0.94	1.01
	2.3	0.45	1.55	1.67
	2.4	0.57	1.96	2.13
	2.5	0.60	2.07	2.26
	2.6	0.55	1.89	2.07
	2.7	0.43	1.48	1.63
	2.8	0.27	0.93	1.03
	2.9	0.11	0.28	0.32
3	0	0	0	0
	3.1	-0.02	-0.08	-0.09
	3.2	-0.03	-0.11	-0.13
	3.3	-0.02	-0.09	-0.11
	3.4	-0.01	-0.05	-0.07
	3.5	0.00	-0.01	-0.03
	3.6	0.01	0.03	0.02
	3.7	0.02	0.05	0.04
	3.8	0.02	0.06	0.06
	3.9	0.01	0.03	0.03

386' Girder Line 2				
Span	POINT OF DEFLEC.	STRUCTURAL STEEL	STRUCTURAL STEEL +SLAB	STRUCTURAL STEEL +SLAB + PARAPET
1	0	0	0	0
	1.1	0.14	0.46	0.50
	1.2	0.25	0.83	0.90
	1.3	0.33	1.09	1.18
	1.4	0.36	1.19	1.29
	1.5	0.34	1.13	1.22
	1.6	0.29	0.94	1.02
	1.7	0.20	0.65	0.71
	1.8	0.11	0.34	0.37
	1.9	0.03	0.09	0.10
2	0	0	0	0
	2.1	0.09	0.30	0.32
	2.2	0.23	0.78	0.83
	2.3	0.36	1.24	1.32
	2.4	0.45	1.56	1.67
	2.5	0.50	1.71	1.83
	2.6	0.47	1.63	1.75
	2.7	0.38	1.31	1.41
	2.8	0.24	0.83	0.89
	2.9	0.10	0.33	0.36
3	0	0	0	0
	3.1	0.02	0.05	0.05
	3.2	0.06	0.18	0.19
	3.3	0.11	0.34	0.36
	3.4	0.15	0.49	0.52
	3.5	0.18	0.59	0.63
	3.6	0.19	0.61	0.65
	3.7	0.17	0.55	0.59
	3.8	0.13	0.42	0.45
	3.9	0.07	0.23	0.24

386' Girder Line 3				
Span	POINT OF DEFLEC.	STRUCTURAL STEEL	STRUCTURAL STEEL +SLAB	STRUCTURAL STEEL +SLAB + PARAPET
1	0	0	0	0
	1.1	0.07	0.23	0.24
	1.2	0.13	0.42	0.45
	1.3	0.17	0.55	0.58
	1.4	0.18	0.60	0.64
	1.5	0.18	0.58	0.61
	1.6	0.15	0.48	0.50
	1.7	0.10	0.32	0.34
	1.8	0.05	0.16	0.17
	1.9	0.01	0.03	0.03
2	0	0	0	0
	2.1	0.09	0.32	0.35
	2.2	0.24	0.82	0.88
	2.3	0.38	1.29	1.39
	2.4	0.46	1.59	1.71
	2.5	0.48	1.67	1.79
	2.6	0.44	1.53	1.63
	2.7	0.35	1.18	1.25
	2.8	0.22	0.76	0.80
	2.9	0.08	0.29	0.30
3	0	0	0	0
	3.1	0.04	0.11	0.12
	3.2	0.12	0.38	0.42
	3.3	0.22	0.70	0.77
	3.4	0.31	1.11	1.20
	3.5	0.37	1.22	1.33
	3.6	0.39	1.28	1.39
	3.7	0.35	1.16	1.26
	3.8	0.27	0.89	0.97
	3.9	0.15	0.39	0.43

386' Girder Line 4				
Span	POINT OF DEFLEC.	STRUCTURAL STEEL	STRUCTURAL STEEL +SLAB	STRUCTURAL STEEL +SLAB + PARAPET
1	0	0	0	0
	1.1	0.02	0.06	0.06
	1.2	0.03	0.09	0.09
	1.3	0.03	0.10	0.10
	1.4	0.03	0.09	0.08
	1.5	0.02	0.05	0.04
	1.6	0.00	-0.01	-0.02
	1.7	-0.01	-0.05	-0.07
	1.8	-0.02	-0.08	-0.10
	1.9	-0.02	-0.07	-0.08
2	0	0	0	0
	2.1	0.11	0.37	0.41
	2.2	0.26	0.89	0.98
	2.3	0.41	1.41	1.55
	2.4	0.53	1.82	1.99
	2.5	0.57	1.98	2.16
	2.6	0.54	1.86	2.02
	2.7	0.42	1.45	1.56
	2.8	0.25	0.87	0.93
	2.9	0.09	0.31	0.33
3	0	0	0	0
	3.1	0.04	0.13	0.16
	3.2	0.16	0.52	0.59
	3.3	0.32	1.03	1.15
	3.4	0.46	1.51	1.68
	3.5	0.57	1.87	2.07
	3.6	0.60	1.99	2.20
	3.7	0.56	1.86	2.05
	3.8	0.43	1.44	1.58
	3.9	0.24	0.79	0.87

Note :
Negative sign (-) indicates upward deflection.



ALTERNATE NO. 1 & 2

DETAILS OF 386'
CONT. COMP. PLATE GIRDER UNIT
(SHEET 7 OF 11)

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

ROUTE 79 SEC. 13
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.

Engstrom/Modjeski and Masters

DRAWN BY: CJA/GPT DATE: Sep. 10 FILENAME: b11039514_s07
CHECKED BY: BMH DATE: Sep. 10 SCALE: 3/4"=1'-0"
DESIGNED BY: GPT DATE: Sep. 10
BRIDGE NO. 06830 DRAWING NO. 47091

BRIDGE ENGINEER