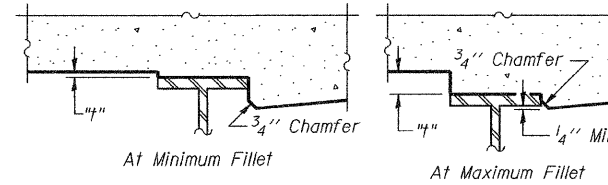
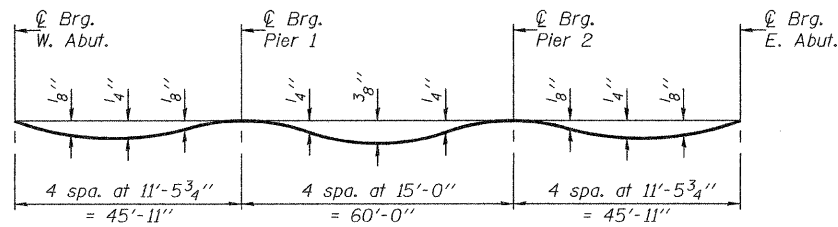


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION



ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 80	14VBR-2 & 14VBR-3	BUREAU	219	111
ILLINOIS		FED. AID PROJECT-		

Contract No. 66731



**DEAD LOAD DEFLECTION DIAGRAM**  
(Includes weight of concrete only.)

Note: The above deflections are not to be used in the field if the engineer is working from the grade elevations adjusted for dead load deflections as shown below and on sheet 8 of 35.

To determine "t": After all structural steel has been erected, elevations of the top flanges of the beams shall be taken at intervals shown below. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" shown below and on sheet 8 of 35, minus slab thickness, equals the fillet heights "t" above top flange of beams.

**FILLET HEIGHTS**

**BEAM 7**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut	41241.91	-20.33	633.52	633.52
CL Brg. W. Abut	41243.24	-20.33	633.55	633.55
A	41253.24	-20.33	633.79	633.80
B	41263.24	-20.33	634.02	634.04
C	41273.24	-20.33	634.26	634.27
D	41283.24	-20.33	634.49	634.50
CL Pier 1	41289.16	-20.33	634.63	634.63
E	41299.16	-20.33	634.87	634.88
F	41309.16	-20.33	635.11	635.13
G	41319.16	-20.33	635.34	635.37
H	41329.16	-20.33	635.58	635.60
I	41339.16	-20.33	635.81	635.82
CL Pier 2	41349.16	-20.33	636.05	636.05
J	41359.16	-20.33	636.28	636.29
K	41369.16	-20.33	636.52	636.53
L	41379.16	-20.33	636.75	636.77
M	41389.16	-20.33	636.99	637.00
CL Brg. E. Abut	41395.08	-20.33	637.13	637.13
Bk. E. Abut	41396.41	-20.33	637.16	637.16

**BEAM 8**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut	41244.58	-13.00	633.74	633.74
CL Brg. W. Abut	41245.91	-13.00	633.77	633.77
A	41255.91	-13.00	634.00	634.01
B	41265.91	-13.00	634.24	634.25
C	41275.91	-13.00	634.47	634.48
D	41285.91	-13.00	634.71	634.71
CL Pier 1	41291.83	-13.00	634.85	634.85
E	41301.83	-13.00	635.08	635.10
F	41311.83	-13.00	635.32	635.34
G	41321.83	-13.00	635.56	635.59
H	41331.83	-13.00	635.79	635.81
I	41341.83	-13.00	636.03	636.04
CL Pier 2	41351.83	-13.00	636.26	636.26
J	41361.83	-13.00	636.50	636.50
K	41371.83	-13.00	636.73	636.75
L	41381.83	-13.00	636.97	636.98
M	41391.83	-13.00	637.20	637.21
CL Brg. E. Abut	41397.75	-13.00	637.34	637.34
Bk. E. Abut	41399.08	-13.00	637.38	637.38

**BEAM 9**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut	41247.25	-5.67	633.92	633.92
CL Brg. W. Abut	41248.58	-5.67	633.95	633.95
A	41258.58	-5.67	634.19	634.20
B	41268.58	-5.67	634.42	634.44
C	41278.58	-5.67	634.66	634.67
D	41288.58	-5.67	634.89	634.90
CL Pier 1	41294.50	-5.67	635.03	635.03
E	41304.50	-5.67	635.27	635.28
F	41314.50	-5.67	635.50	635.52
G	41324.50	-5.67	635.74	635.77
H	41334.50	-5.67	635.97	635.99
I	41344.50	-5.67	636.21	636.22
CL Pier 2	41354.50	-5.67	636.44	636.44
J	41364.50	-5.67	636.68	636.69
K	41374.50	-5.67	636.92	636.93
L	41384.50	-5.67	637.15	637.16
M	41394.50	-5.67	637.39	637.39
CL Brg. E. Abut	41400.41	-5.67	637.53	637.53
Bk. E. Abut	41401.75	-5.67	637.56	637.56

DESIGNED	Nicholas R. Barnett
CHECKED	Ray Ahanchi
DRAWN	h.f. duong
CHECKED	NRB/GRA

Sep. 30, 2008  
EXAMINED *Thomas J. Romagosa*  
PASSED *Ralph E. Anderson*  
ENGINEER OF BRIDGES AND STRUCTURES

**TOP OF SLAB ELEVATIONS (W.B.)**  
**F.A.I. RTE. 80 - SEC. 14VBR-2 & 14VBR-3**  
**BUREAU COUNTY**  
**STATION 413+39.84**  
**STRUCTURE NO. 006-0167 (E.B.)**  
**STRUCTURE NO. 006-0168 (W.B.)**