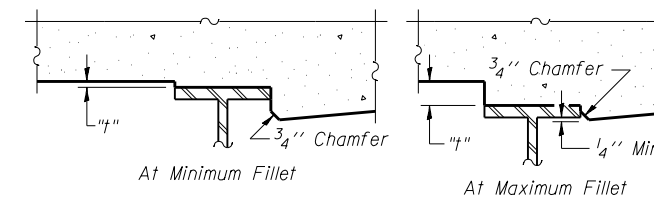


**DEAD LOAD DEFLECTION DIAGRAM**

(Includes weight of concrete only.)

**Notes:**

The above deflections are not to be used in the field if the engineer is working from the theoretical grade elevations adjusted for dead load deflections as shown below and on sheet S6 of S24.



To determine "t": After all structural steel has been erected, elevations of the top flanges of the beams shall be taken at intervals shown on sheet S4 of S24. These elevations subtracted from the "Theoretical Grade Elevations Adjusted For Dead Load Deflection" shown below and on sheet S6 of S24, minus slab thickness, equals the fillet heights "t" above top flange of beams.

**FILLET HEIGHTS**

**BEAM 1**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
BK. N. ABUT.	11+52.72	-12.63	729.89	729.89
CL BRG. N. ABUT.	11+57.64	-12.63	729.91	729.91
A	11+67.64	-12.63	729.96	729.97
B	11+77.64	-12.63	730.00	730.03
C	11+87.64	-12.63	730.04	730.08
D	11+97.64	-12.63	730.09	730.12
E	12+07.64	-12.63	730.13	730.15
F	12+17.64	-12.63	730.17	730.17
G	12+27.64	-12.63	730.20	730.20
CL PIER 1	12+33.72	-12.63	730.21	730.21
H	12+43.72	-12.63	730.23	730.25
I	12+53.72	-12.63	730.25	730.28
J	12+63.72	-12.63	730.26	730.32
K	12+73.72	-12.63	730.26	730.34
L	12+83.72	-12.63	730.25	730.34
M	12+93.72	-12.63	730.24	730.33
N	13+03.72	-12.63	730.23	730.30
O	13+13.72	-12.63	730.21	730.25
P	13+23.72	-12.63	730.18	730.20
CL PIER 2	13+37.72	-12.63	730.13	730.13
Q	13+47.72	-12.63	730.09	730.09
R	13+57.72	-12.63	730.04	730.05
S	13+67.72	-12.63	730.00	730.02
T	13+77.72	-12.63	729.96	729.99
U	13+87.72	-12.63	729.92	729.95
V	13+97.72	-12.63	729.88	729.90
W	14+07.72	-12.63	729.83	729.84
CL BRG. S. ABUT.	14+13.80	-12.63	729.81	729.81
BK. S. ABUT.	14+18.72	-12.63	729.79	729.79

**BEAM 2**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
BK. N. ABUT.	11+41.79	-6.31	729.96	729.96
CL BRG. N. ABUT.	11+46.70	-6.31	729.99	729.99
A	11+56.70	-6.31	730.03	730.05
B	11+66.70	-6.31	730.07	730.10
C	11+76.70	-6.31	730.12	730.15
D	11+86.70	-6.31	730.16	730.19
E	11+96.70	-6.31	730.21	730.22
F	12+06.70	-6.31	730.25	730.26
G	12+16.70	-6.31	730.29	730.29
CL PIER 1	12+22.79	-6.31	730.31	730.31
H	12+32.79	-6.31	730.33	730.35
I	12+42.79	-6.31	730.35	730.39
J	12+52.79	-6.31	730.37	730.43
K	12+62.79	-6.31	730.38	730.46
L	12+72.79	-6.31	730.38	730.47
M	12+82.79	-6.31	730.38	730.46
N	12+92.79	-6.31	730.37	730.44
O	13+02.79	-6.31	730.35	730.40
P	13+12.79	-6.31	730.33	730.35
CL PIER 2	13+26.79	-6.31	730.29	730.29
Q	13+36.79	-6.31	730.25	730.26
R	13+46.79	-6.31	730.21	730.22
S	13+56.79	-6.31	730.17	730.19
T	13+66.79	-6.31	730.13	730.16
U	13+76.79	-6.31	730.09	730.12
V	13+86.79	-6.31	730.04	730.07
W	13+96.79	-6.31	730.00	730.01
CL BRG. S. ABUT.	14+02.87	-6.31	729.98	729.98
BK. S. ABUT.	14+07.79	-6.31	729.96	729.96

**CL IL Rte. 43 & GIRDER 3**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
BK. N. ABUT.	11+30.85	0.00	730.01	730.01
CL BRG. N. ABUT.	11+35.77	0.00	730.04	730.04
A	11+45.77	0.00	730.08	730.10
B	11+55.77	0.00	730.12	730.15
C	11+65.77	0.00	730.17	730.20
D	11+75.77	0.00	730.21	730.24
E	11+85.77	0.00	730.26	730.28
F	11+95.77	0.00	730.30	730.31
G	12+05.77	0.00	730.34	730.34
CL PIER 1	12+11.85	0.00	730.37	730.37
H	12+21.85	0.00	730.40	730.42
I	12+31.85	0.00	730.43	730.47
J	12+41.85	0.00	730.45	730.51
K	12+51.85	0.00	730.47	730.55
L	12+61.85	0.00	730.48	730.56
M	12+71.85	0.00	730.48	730.56
N	12+81.85	0.00	730.48	730.54
O	12+91.85	0.00	730.47	730.51
P	13+01.85	0.00	730.45	730.48
CL PIER 2	13+15.85	0.00	730.42	730.42
Q	13+25.85	0.00	730.39	730.39
R	13+35.85	0.00	730.36	730.37
S	13+45.85	0.00	730.32	730.34
T	13+55.85	0.00	730.27	730.30
U	13+65.85	0.00	730.23	730.26
V	13+75.85	0.00	730.19	730.21
W	13+85.85	0.00	730.15	730.16
CL BRG. S. ABUT.	13+91.94	0.00	730.12	730.12
BK. S. ABUT.	13+96.85	0.00	730.10	730.10

E-S 7-1-10

(Sheet 2 of 3)

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CHECKED - JMS	REVISIONS -	
PLOT SCALE =	DRAWN - DR	REVISED -
PLOT DATE =	CHECKED - AMS	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TOP OF DECK ELEVATIONS  
STRUCTURE NO. 049-0087**

SHEET NO. S5 OF S24 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706	125HB-BR	LAKE	51	22
CONTRACT NO. 60R61				
ILLINOIS FED. AID PROJECT				