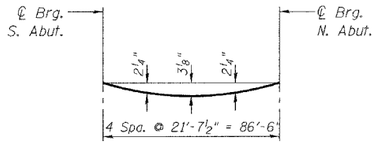
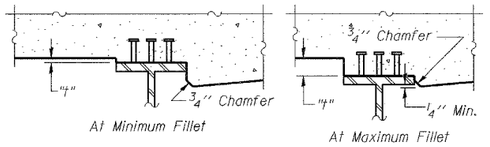


DEAD LOAD DEFLECTION DIAGRAM

(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.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



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, minus slab thickness, equals the fillet heights "t" above top flange of beams.

FILLET HEIGHTS

	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
IL 113	109BR, N	KANKAKEE COUNTY	58	20
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

CONTRACT # 66410

SHEET NO. 3
14 SHEETS

BEAM 1

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of S. Abut.	259+45.71	-14.79	590.634	590.634
℄ Brg. S. Abut.	259+48.21	-14.79	590.642	590.642
A	259+58.21	-14.79	590.673	590.765
B	259+68.21	-14.79	590.697	590.867
C	259+78.21	-14.79	590.714	590.941
D	259+88.21	-14.79	590.725	590.978
E	259+98.21	-14.79	590.729	590.977
F	260+08.21	-14.79	590.727	590.938
G	260+18.21	-14.79	590.719	590.864
H	260+28.21	-14.79	590.704	590.764
℄ Brg. N. Abut.	260+34.71	-14.79	590.690	590.690
Bk. of N. Abut.	260+37.21	-14.79	590.684	590.684

BEAM 2

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of S. Abut.	259+49.12	-8.88	590.752	590.752
℄ Brg. S. Abut.	259+51.62	-8.88	590.760	590.760
A	259+61.62	-8.88	590.788	590.880
B	259+71.62	-8.88	590.810	590.981
C	259+81.62	-8.88	590.825	591.052
D	259+91.62	-8.88	590.834	591.087
E	260+01.62	-8.88	590.836	591.084
F	260+11.62	-8.88	590.832	591.042
G	260+21.62	-8.88	590.821	590.967
H	260+31.62	-8.88	590.804	590.864
℄ Brg. N. Abut.	260+38.12	-8.88	590.789	590.789
Bk. of N. Abut.	260+40.62	-8.88	590.783	590.783

BEAM 3

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of S. Abut.	259+52.54	-2.96	590.856	590.856
℄ Brg. S. Abut.	259+55.04	-2.96	590.863	590.863
A	259+65.04	-2.96	590.889	590.981
B	259+75.04	-2.96	590.909	591.079
C	259+85.04	-2.96	590.921	591.148
D	259+95.04	-2.96	590.928	591.181
E	260+05.04	-2.96	590.928	591.176
F	260+15.04	-2.96	590.921	591.132
G	260+25.04	-2.96	590.908	591.054
H	260+35.04	-2.96	590.889	590.95
℄ Brg. N. Abut.	260+41.54	-2.96	590.873	590.873
Bk. of N. Abut.	260+44.04	-2.96	590.866	590.866

P.G.L.

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of S. Abut.	259+54.25	0.00	590.907	590.907
℄ Brg. S. Abut.	259+56.75	0.00	590.914	590.914
A	259+66.75	0.00	590.939	591.031
B	259+76.75	0.00	590.957	591.128
C	259+86.75	0.00	590.969	591.196
D	259+96.75	0.00	590.975	591.228
E	260+06.75	0.00	590.974	591.221
F	260+16.75	0.00	590.966	591.176
G	260+26.75	0.00	590.952	591.097
H	260+36.75	0.00	590.931	590.992
℄ Brg. N. Abut.	260+43.25	0.00	590.914	590.914
Bk. of N. Abut.	260+45.75	0.00	590.907	590.907

BEAM 4

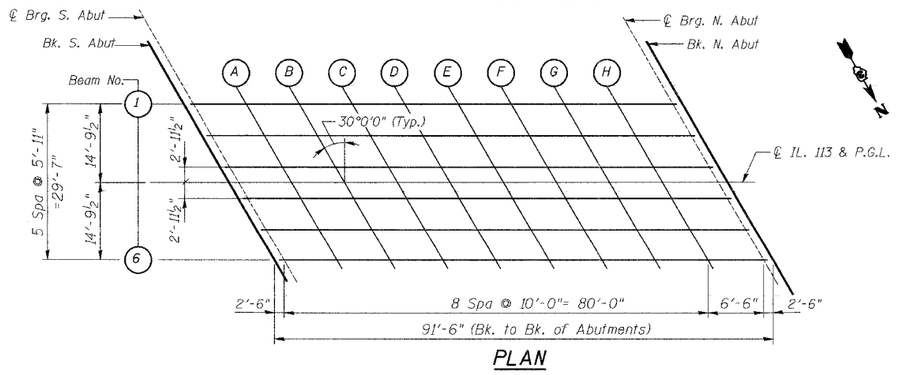
Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of S. Abut.	259+55.96	2.96	590.866	590.866
℄ Brg. S. Abut.	259+58.46	2.96	590.873	590.873
A	259+68.46	2.96	590.896	590.988
B	259+78.46	2.96	590.914	591.085
C	259+88.46	2.96	590.924	591.151
D	259+98.46	2.96	590.929	591.182
E	260+08.46	2.96	590.926	591.174
F	260+18.46	2.96	590.918	591.128
G	260+28.46	2.96	590.902	591.048
H	260+38.46	2.96	590.881	590.941
℄ Brg. N. Abut.	260+44.96	2.96	590.863	590.863
Bk. of N. Abut.	260+47.46	2.96	590.856	590.856

BEAM 5

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of S. Abut.	259+59.38	8.88	590.783	590.783
℄ Brg. S. Abut.	259+61.88	8.88	590.789	590.789
A	259+71.88	8.88	590.811	590.903
B	259+81.88	8.88	590.826	590.996
C	259+91.88	8.88	590.834	591.061
D	260+01.88	8.88	590.836	591.089
E	260+11.88	8.88	590.832	591.079
F	260+21.88	8.88	590.821	591.031
G	260+31.88	8.88	590.803	590.949
H	260+41.88	8.88	590.779	590.840
℄ Brg. N. Abut.	260+48.38	8.88	590.760	590.760
Bk. of N. Abut.	260+50.88	8.88	590.752	590.752

BEAM 6

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of S. Abut.	259+62.79	14.79	590.684	590.684
℄ Brg. S. Abut.	259+65.29	14.79	590.690	590.690
A	259+75.29	14.79	590.710	590.802
B	259+85.29	14.79	590.722	590.893
C	259+95.29	14.79	590.729	590.955
D	260+05.29	14.79	590.728	590.982
E	260+15.29	14.79	590.722	590.969
F	260+25.29	14.79	590.709	590.919
G	260+35.29	14.79	590.689	590.834
H	260+45.29	14.79	590.663	590.723
℄ Brg. N. Abut.	260+51.79	14.79	590.642	590.642
Bk. of N. Abut.	260+54.29	14.79	590.634	590.634



PLAN

DESIGNED	M.R./R.A.
CHECKED	H.T.
DRAWN	J.S.
CHECKED	H.T./M.R.

TOP OF SLAB ELEVATIONS

IL. 113 OVER WILEY CREEK (PUBLIC WATERS)
FAS ROUTE 1317 (IL 113), SECTION 109BR, N
KANKAKEE COUNTY
STATION 260+00.00
STRUCTURE NO. 046-0137

SCALE: NONE
DATE: AUGUST, 2005

Soodan

Soodan & Associates, Inc.
100 North LaSalle Street, Suite 1800
Chicago, Illinois 60602