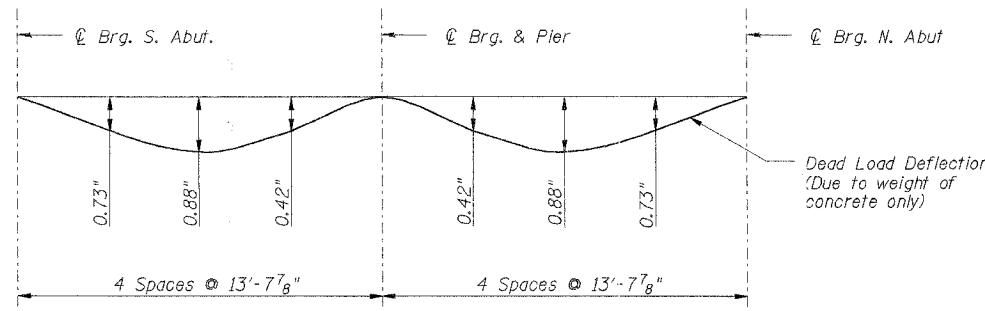


**PGL**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	12+40.04	0.00	632.521	632.521
☉ Brg. S. Abut.	12+42.12	0.00	632.507	632.507
A	12+52.12	0.00	632.437	632.485
B	12+62.12	0.00	632.367	632.440
C	12+72.12	0.00	632.297	632.364
D	12+82.12	0.00	632.227	632.265
☉ Pier	12+86.87	0.00	632.194	632.215
E	12+96.74	0.00	632.124	632.124
F	13+06.74	0.00	632.054	632.077
G	13+16.74	0.00	631.984	632.041
H	13+26.73	0.00	631.915	631.989
☉ Brg. N. Abut.	13+36.68	0.00	631.845	631.908
Bk. N. Abut.	13+51.16	0.00	631.744	631.744

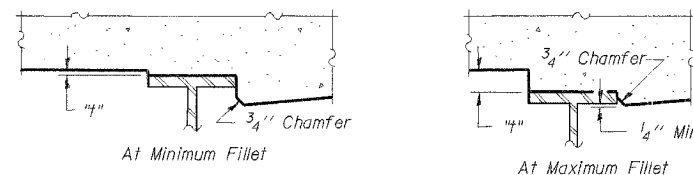
**Beam 8**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	12+35.62	15.42	632.435	632.435
☉ Brg. S. Abut.	12+37.70	15.42	632.408	632.408
A	12+47.70	15.42	632.305	632.353
B	12+57.70	15.42	632.202	632.274
C	12+67.70	15.42	632.098	632.166
D	12+77.70	15.42	631.995	632.033
☉ Pier	12+92.32	15.42	631.844	631.844
E	13+02.32	15.42	631.740	631.762
F	13+12.32	15.42	631.637	631.693
G	13+22.35	15.42	631.533	631.607
H	13+32.60	15.31	631.430	631.493
☉ Brg. N. Abut.	13+47.57	14.87	631.290	631.290
Bk. N. Abut.	13+49.69	14.78	631.271	631.271



**DEFLECTION DIAGRAM**

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 at left.



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

**FILLET HEIGHTS**

**Notes:**

1. Offsets & Elevations are given in Feet.
2. Negative offsets are "Left", Positive offsets are "Right".

**Beam 6**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	12+39.73	1.08	632.512	632.512
☉ Brg. S. Abut.	12+41.81	1.08	632.499	632.499
A	12+51.81	1.08	632.427	632.474
B	12+61.81	1.08	632.354	632.427
C	12+71.81	1.08	632.282	632.349
D	12+81.81	1.08	632.209	632.248
☉ Pier	12+96.43	1.08	632.104	632.104
E	13+06.43	1.08	632.031	632.054
F	13+16.43	1.08	631.959	632.015
G	13+26.43	1.06	631.887	631.961
H	13+36.45	0.89	631.820	631.883
☉ Brg. N. Abut.	13+51.07	0.37	631.732	631.732
Bk. N. Abut.	13+53.15	0.26	631.721	631.721

**Beam 9**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	12+33.56	22.58	632.409	632.409
☉ Brg. S. Abut.	12+35.64	22.58	632.377	632.377
A	12+45.64	22.58	632.254	632.301
B	12+55.64	22.58	632.135	632.208
C	12+65.64	22.58	632.016	632.083
D	12+75.64	22.58	631.897	631.935
☉ Pier	12+90.26	22.58	631.723	631.723
E	13+00.26	22.58	631.604	631.626
F	13+10.26	22.58	631.485	631.541
G	13+20.26	22.58	631.366	631.440
H	13+30.60	22.51	631.245	631.308
☉ Brg. N. Abut.	13+45.75	22.11	631.078	631.078
Bk. N. Abut.	13+47.91	22.03	631.055	631.055

**Beam 11**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	12+29.45	36.92	632.386	632.386
☉ Brg. S. Abut.	12+31.53	36.92	632.342	632.342
A	12+41.53	36.92	632.170	632.218
B	12+51.53	36.92	632.020	632.093
C	12+61.53	36.92	631.870	631.938
D	12+71.53	36.92	631.720	631.759
☉ Pier	12+86.15	36.92	631.501	631.501
E	12+96.15	36.92	631.351	631.373
F	13+06.15	36.92	631.201	631.257
G	13+16.15	36.92	631.051	631.125
H	13+26.47	36.89	630.897	630.960
☉ Brg. N. Abut.	13+41.99	36.59	630.673	630.673
Bk. N. Abut.	13+44.20	36.51	630.643	630.643

**Beam 12**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	12+27.40	44.08	632.388	632.388
☉ Brg. S. Abut.	12+29.48	44.08	632.338	632.338
A	12+39.48	44.08	632.137	632.185
B	12+49.48	44.08	631.973	632.046
C	12+59.48	44.08	631.807	631.875
D	12+69.48	44.08	631.642	631.680
☉ Pier	12+84.10	44.08	631.400	631.400
E	12+94.10	44.08	631.234	631.256
F	13+04.10	44.08	631.069	631.125
G	13+14.10	44.08	630.903	630.977
H	13+24.33	44.08	630.734	630.797
☉ Brg. N. Abut.	13+40.04	43.82	630.482	630.482
Bk. N. Abut.	13+42.27	43.75	630.447	630.447

**Beam 7**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	12+37.67	8.25	632.469	632.469
☉ Brg. S. Abut.	12+39.75	8.25	632.449	632.449
A	12+49.75	8.25	632.363	632.410
B	12+59.75	8.25	632.275	632.348
C	12+69.75	8.25	632.187	632.254
D	12+79.75	8.25	632.099	632.137
☉ Pier	12+94.37	8.25	631.970	631.970
E	13+04.37	8.25	631.883	631.905
F	13+14.37	8.25	631.795	631.851
G	13+24.42	8.24	631.707	631.781
H	13+34.55	8.11	631.622	631.684
☉ Brg. N. Abut.	13+49.34	7.62	631.508	631.508
Bk. N. Abut.	13+51.44	7.52	631.493	631.493

**Beam 10**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	12+31.51	29.75	632.393	632.393
☉ Brg. S. Abut.	12+33.59	29.75	632.355	632.355
A	12+43.59	29.75	632.209	632.257
B	12+53.59	29.75	632.074	632.147
C	12+63.59	29.75	631.940	632.007
D	12+73.59	29.75	631.805	631.844
☉ Pier	12+88.21	29.75	631.609	631.609
E	12+98.21	29.75	631.474	631.496
F	13+08.21	29.75	631.340	631.396
G	13+18.21	29.75	631.205	631.279
H	13+28.56	29.71	631.067	631.130
☉ Brg. N. Abut.	13+43.89	29.35	630.872	630.872
Bk. N. Abut.	13+46.07	29.27	630.846	630.846

SHT. S-07

REVISIONS	
NAME	DATE

VILLAGE OF NEW LENOX  
 F.A.U. (0369) CEDAR ROAD OVER HICKORY CREEK  
 WILL COUNTY  
**TOP OF SLAB  
 DECK ELEVATIONS 2**

SCALE: AS NOTED  
 DATE: 07/01/05  
 DRAWN BY: FZD  
 CHECKED BY: KPS

**TENG**

TENG & ASSOCIATES, INC.  
 885 N. MICHIGAN AVE. CHICAGO, IL 60611  
 TELEPHONE: 312-980-0000

I:\PROJECTS\0369\0369-00025\0369-00025-00-BR\0369-00025-00-BR-116.DWG  
 DATE: 07/01/05 10:05 AM  
 USER: KPS  
 PLOT: 07/01/05 10:05 AM  
 PLOTTER: HP DesignJet 500