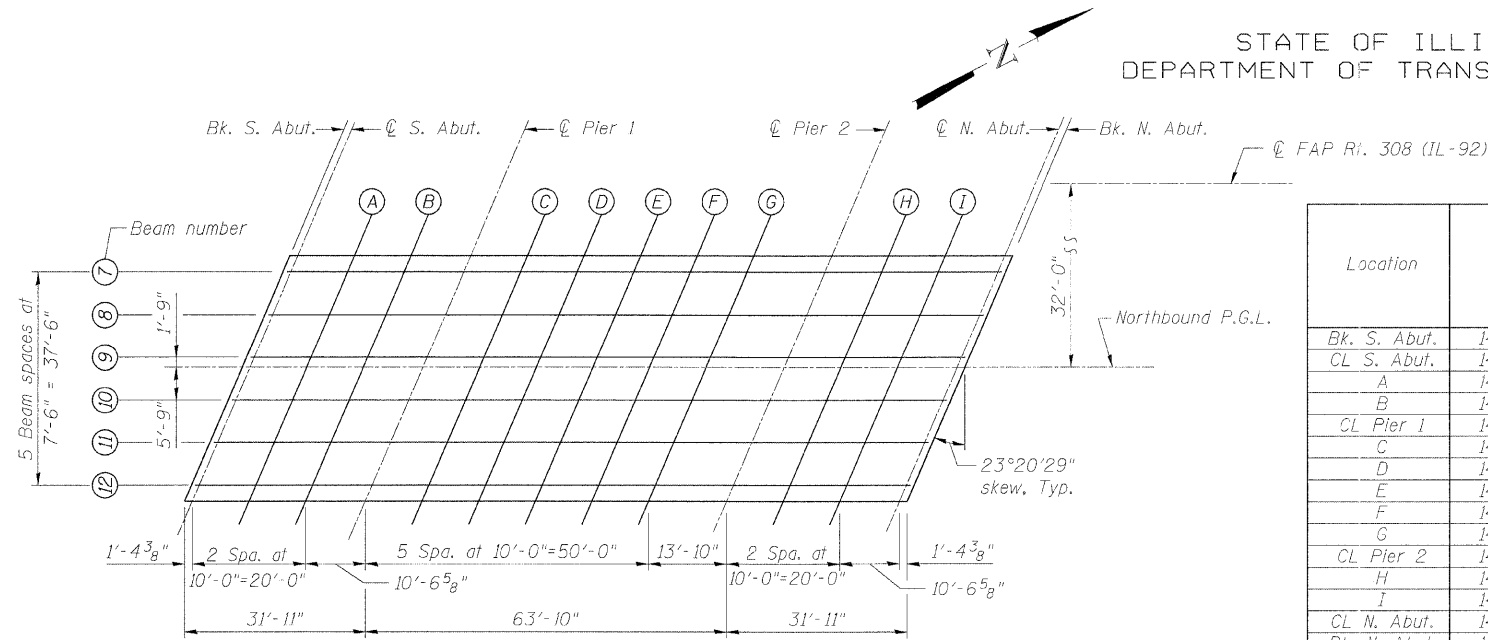


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

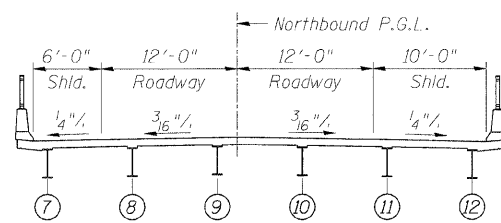


**BEAM 7**

Location	Station	Offset*	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	1469+99.90	-16.75	581.50	581.50
CL S. Abut.	1470+01.26	-16.75	581.51	581.51
A	1470+11.26	-16.75	581.59	581.58
B	1470+21.26	-16.75	581.65	581.64
CL Pier 1	1470+31.82	-16.75	581.70	581.70
C	1470+41.82	-16.75	581.74	581.77
D	1470+51.82	-16.75	581.77	581.83
E	1470+61.82	-16.75	581.79	581.87
F	1470+71.82	-16.75	581.80	581.87
G	1470+81.82	-16.75	581.80	581.84
CL Pier 2	1470+95.65	-16.75	581.78	581.78
H	1471+05.65	-16.75	581.75	581.75
I	1471+15.65	-16.75	581.72	581.72
CL N. Abut.	1471+26.21	-16.75	581.67	581.67
Bk. N. Abut.	1471+27.57	-16.75	581.66	581.66

**BEAM 8**

Location	Station	Offset*	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	1469+96.66	-9.25	581.62	581.62
CL S. Abut.	1469+98.02	-9.25	581.63	581.63
A	1470+08.02	-9.25	581.71	581.70
B	1470+18.02	-9.25	581.77	581.76
CL Pier 1	1470+28.58	-9.25	581.83	581.83
C	1470+38.58	9.25	581.87	581.90
D	1470+48.58	-9.25	581.90	581.96
E	1470+58.58	-9.25	581.93	582.00
F	1470+68.58	-9.25	581.94	582.01
G	1470+78.58	-9.25	581.94	581.98
CL Pier 2	1470+92.41	-9.25	581.93	581.93
H	1471+02.41	-9.25	581.91	581.90
I	1471+12.41	-9.25	581.87	581.87
CL N. Abut.	1471+22.97	-9.25	581.83	581.83
Bk. N. Abut.	1471+24.33	-9.25	581.82	581.82



**BEAM 9**

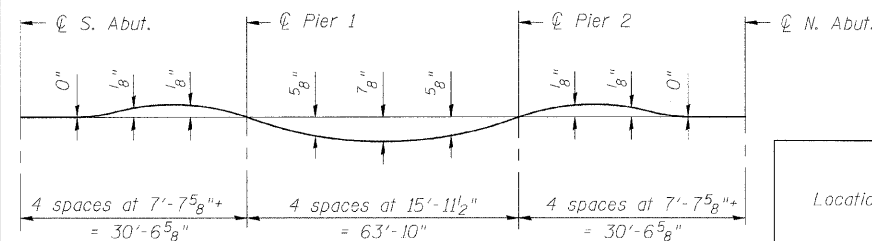
Location	Station	Offset*	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	1469+93.43	-1.75	581.71	581.71
CL S. Abut.	1469+94.79	-1.75	581.72	581.72
A	1470+04.79	-1.75	581.80	581.80
B	1470+14.79	-1.75	581.87	581.86
CL Pier 1	1470+25.35	-1.75	581.93	581.93
C	1470+35.35	-1.75	581.98	582.00
D	1470+45.35	-1.75	582.01	582.07
E	1470+55.35	-1.75	582.04	582.11
F	1470+65.35	-1.75	582.05	582.12
G	1470+75.35	-1.75	582.06	582.10
CL Pier 2	1470+89.18	-1.75	582.05	582.05
H	1470+99.18	-1.75	582.03	582.02
I	1471+09.18	-1.75	582.00	582.00
CL N. Abut.	1471+19.73	-1.75	581.96	581.96
Bk. N. Abut.	1471+21.10	-1.75	581.95	581.95

**NORTHBOUND P.G.L.**

Location	Station	Offset*	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	1469+92.67	0.00	581.73	581.73
CL S. Abut.	1469+94.03	0.00	581.74	581.74
A	1470+04.03	0.00	581.82	581.82
B	1470+14.03	0.00	581.89	581.88
CL Pier 1	1470+24.59	0.00	581.95	581.95
C	1470+34.59	0.00	582.00	582.03
D	1470+44.59	0.00	582.04	582.10
E	1470+54.59	0.00	582.06	582.14
F	1470+64.59	0.00	582.08	582.15
G	1470+74.59	0.00	582.09	582.13
CL Pier 2	1470+88.42	0.00	582.08	582.08
H	1470+98.42	0.00	582.06	582.05
I	1471+08.42	0.00	582.03	582.03
CL N. Abut.	1471+18.98	0.00	581.99	581.99
Bk. N. Abut.	1471+20.34	0.00	581.99	581.99

**BEAM 10**

Location	Station	Offset*	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	1469+90.19	5.75	581.62	581.62
CL S. Abut.	1469+91.55	5.75	581.63	581.63
A	1470+01.55	5.75	581.71	581.71
B	1470+11.55	5.75	581.78	581.78
CL Pier 1	1470+22.11	5.75	581.85	581.85
C	1470+32.11	5.75	581.90	581.93
D	1470+42.11	5.75	581.94	582.00
E	1470+52.11	5.75	581.97	582.04
F	1470+62.11	5.75	581.99	582.06
G	1470+72.11	5.75	582.00	582.04
CL Pier 2	1470+85.94	5.75	581.99	581.99
H	1470+95.94	5.75	581.98	581.97
I	1471+05.94	5.75	581.95	581.95
CL N. Abut.	1471+16.50	5.75	581.91	581.91
Bk. N. Abut.	1471+17.86	5.75	581.91	581.91



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 herein.

DESIGNED	CMM
CHECKED	AMK
DRAWN	EF
CHECKED	RWC

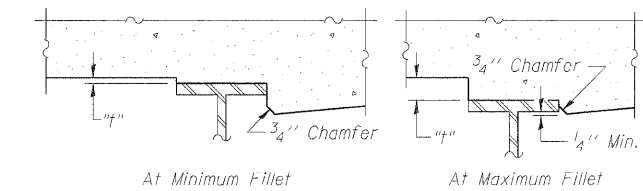
**LOCHNER**  
H.W. LOCHNER, INC., CHICAGO, ILLINOIS

**BEAM 11**

Location	Station	Offset*	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	1469+86.95	13.25	581.47	581.47
CL S. Abut.	1469+88.31	13.25	581.48	581.48
A	1469+98.31	13.25	581.56	581.56
B	1470+08.31	13.25	581.64	581.63
CL Pier 1	1470+18.87	13.25	581.71	581.71
C	1470+28.87	13.25	581.76	581.79
D	1470+38.87	13.25	581.80	581.86
E	1470+48.87	13.25	581.84	581.91
F	1470+58.87	13.25	581.86	581.93
G	1470+68.87	13.25	581.87	581.91
CL Pier 2	1470+82.70	13.25	581.87	581.87
H	1470+92.70	13.25	581.86	581.85
I	1471+02.70	13.25	581.84	581.83
CL N. Abut.	1471+13.26	13.25	581.80	581.80
Bk. N. Abut.	1471+14.62	13.25	581.80	581.80

**BEAM 12**

Location	Station	Offset*	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	1469+83.72	20.75	581.28	581.28
CL S. Abut.	1469+85.08	20.75	581.29	581.29
A	1469+95.08	20.75	581.38	581.38
B	1470+05.08	20.75	581.46	581.45
CL Pier 1	1470+15.64	20.75	581.53	581.53
C	1470+25.64	20.75	581.59	581.62
D	1470+35.64	20.75	581.63	581.69
E	1470+45.64	20.75	581.67	581.75
F	1470+55.64	20.75	581.70	581.77
G	1470+65.64	20.75	581.71	581.75
CL Pier 2	1470+79.47	20.75	581.72	581.72
H	1470+89.47	20.75	581.71	581.70
I	1470+99.47	20.75	581.69	581.69
CL N. Abut.	1471+10.02	20.75	581.66	581.66
Bk. N. Abut.	1471+11.39	20.75	581.65	581.65



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

**FILLET HEIGHTS**

TOP OF SLAB ELEVATIONS (NB)  
IL ROUTE 92 (CENTENNIAL EXPRESSWAY)  
OVER 31st AVENUE  
FAP ROUTE 308 SEC. 1(HB-2)R  
ROCK ISLAND COUNTY  
STATION 1470+70.31  
STRUCTURE NO. 081-0172 (SB)  
STRUCTURE NO. 081-0173 (NB)