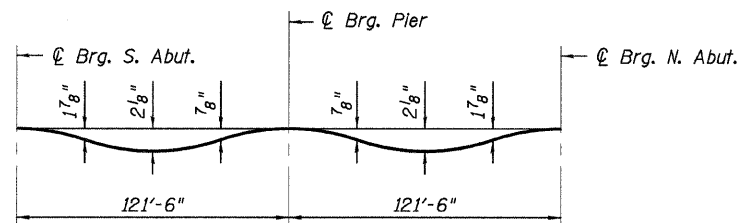


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

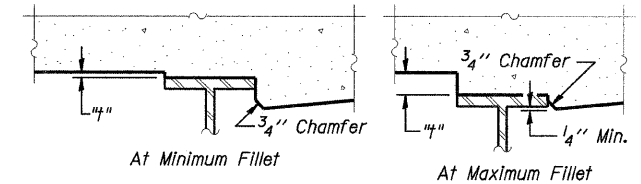


**DEAD LOAD DEFLECTION DIAGRAM**

(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.



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**

**BEAM 1**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	113+46.78	-37.50	569.04	569.04
CL Brg. S. Abut.	113+50.94	-37.50	569.07	569.07
A	113+60.94	-37.50	569.16	569.22
B	113+70.94	-37.50	569.24	569.35
C	113+80.94	-37.50	569.31	569.47
D	113+90.94	-37.50	569.38	569.56
E	114+00.94	-37.50	569.45	569.63
F	114+10.94	-37.50	569.50	569.68
G	114+20.94	-37.50	569.55	569.70
H	114+30.94	-37.50	569.60	569.71
I	114+40.94	-37.50	569.63	569.71
J	114+50.94	-37.50	569.67	569.71
K	114+60.94	-37.50	569.69	569.71
CL Brg. Pier	114+72.44	-37.50	569.72	569.72
L	114+82.44	-37.50	569.73	569.74
M	114+92.44	-37.50	569.74	569.78
N	115+02.44	-37.50	569.74	569.81
O	115+12.44	-37.50	569.73	569.85
P	115+22.44	-37.50	569.72	569.87
Q	115+32.44	-37.50	569.71	569.88
R	115+42.44	-37.50	569.69	569.87
S	115+52.44	-37.50	569.66	569.84
T	115+62.44	-37.50	569.62	569.78
U	115+72.44	-37.50	569.58	569.70
V	115+82.44	-37.50	569.53	569.60
CL Brg. N. Abut.	115+93.94	-37.50	569.47	569.47
Bk. N. Abut.	115+98.10	-37.50	569.45	569.45

**BEAM 2**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	113+52.88	-29.17	569.26	569.26
CL Brg. S. Abut.	113+57.04	-29.17	569.30	569.30
A	113+67.04	-29.17	569.38	569.44
B	113+77.04	-29.17	569.46	569.57
C	113+87.04	-29.17	569.53	569.68
D	113+97.04	-29.17	569.60	569.77
E	114+07.04	-29.17	569.65	569.84
F	114+17.04	-29.17	569.71	569.88
G	114+27.04	-29.17	569.75	569.90
H	114+37.04	-29.17	569.79	569.91
I	114+47.04	-29.17	569.83	569.91
J	114+57.04	-29.17	569.86	569.90
K	114+67.04	-29.17	569.88	569.89
CL Brg. Pier	114+78.54	-29.17	569.90	569.90
L	114+88.54	-29.17	569.91	569.92
M	114+98.54	-29.17	569.91	569.95
N	115+08.54	-29.17	569.91	569.98
O	115+18.54	-29.17	569.90	570.01
P	115+28.54	-29.17	569.89	570.04
Q	115+38.54	-29.17	569.87	570.04
R	115+48.54	-29.17	569.84	570.03
S	115+58.54	-29.17	569.81	569.99
T	115+68.54	-29.17	569.77	569.93
U	115+78.54	-29.17	569.73	569.85
V	115+88.54	-29.17	569.68	569.75
CL Brg. N. Abut.	116+00.04	-29.17	569.61	569.61
Bk. N. Abut.	116+04.20	-29.17	569.59	569.59

**BEAM 3**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	113+58.99	-20.83	569.49	569.49
CL Brg. S. Abut.	113+63.15	-20.83	569.53	569.53
A	113+73.15	-20.83	569.60	569.66
B	113+83.15	-20.83	569.68	569.79
C	113+93.15	-20.83	569.74	569.90
D	114+03.15	-20.83	569.81	569.98
E	114+13.15	-20.83	569.86	570.05
F	114+23.15	-20.83	569.91	570.09
G	114+33.15	-20.83	569.95	570.10
H	114+43.15	-20.83	569.99	570.11
I	114+53.15	-20.83	570.02	570.10
J	114+63.15	-20.83	570.05	570.09
K	114+73.15	-20.83	570.06	570.08
CL Brg. Pier	114+84.65	-20.83	570.08	570.08
L	114+94.65	-20.83	570.09	570.10
M	115+04.65	-20.83	570.09	570.12
N	115+14.65	-20.83	570.08	570.15
O	115+24.65	-20.83	570.07	570.18
P	115+34.65	-20.83	570.05	570.20
Q	115+44.65	-20.83	570.03	570.20
R	115+54.65	-20.83	570.00	570.18
S	115+64.65	-20.83	569.96	570.14
T	115+74.65	-20.83	569.92	570.08
U	115+84.65	-20.83	569.87	569.99
V	115+94.65	-20.83	569.82	569.89
CL Brg. N. Abut.	116+06.15	-20.83	569.75	569.75
Bk. N. Abut.	116+10.31	-20.83	569.72	569.72

t:\2608-bris\struct\dgn\0320058-66408-004-EL01.dgn

DESIGNED - CMM
CHECKED - BJN
DRAWN - GJS
CHECKED - BJN

**TOP OF SLAB ELEVATIONS I**  
**STRUCTURE NO. 032-0115**

**LOCHNER**

H.W. LOCHNER, INC.  
CONSULTING ENGINEERS & PLANNERS  
20 NORTH WACKER DRIVE SUITE 1200  
CHICAGO, IL 60606

SHEET NO. 4 OF 31 SHEETS	RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	*	(32, 47-4) HKB-4 & (G)N	GRUNDY	351	286
CONTRACT NO. 66408					
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT					
* FAI 80 & FAS 297 / FAU 392					