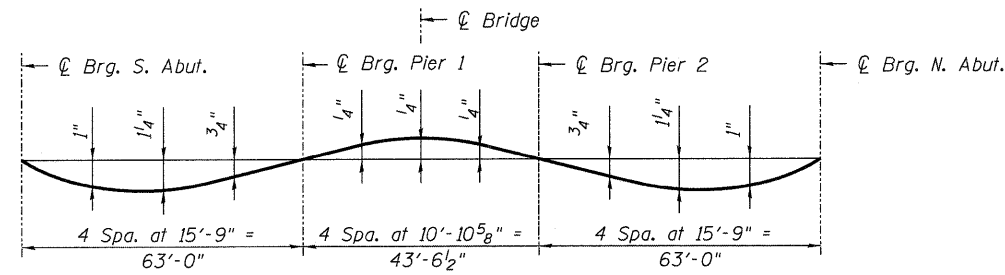


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

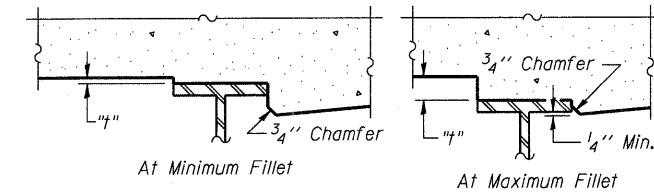


**DEAD LOAD DEFLECTION DIAGRAM**

(Includes weight of concrete deck, fillet, parapets and sidewalks)

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 and on sheets S8 and S9.



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 and on sheet S6. 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.	101+00.11	32.25	590.87	590.87
CL BRG. S. ABUT.	101+02.91	32.25	590.96	590.96
A	101+12.91	32.25	591.25	591.30
B	101+22.91	32.25	591.53	591.61
C	101+32.91	32.25	591.79	591.90
D	101+42.91	32.25	592.04	592.13
E	101+52.91	32.25	592.28	592.33
CL BRG. PIER 1	101+65.91	32.25	592.57	592.57
F	101+75.91	32.25	592.77	592.75
G	101+85.91	32.25	592.96	592.94
H	101+95.91	32.25	593.13	593.11
CL BRG. PIER 2	102+09.45	32.25	593.35	593.35
I	102+19.45	32.25	593.49	593.53
J	102+29.45	32.25	593.62	593.69
K	102+39.45	32.25	593.73	593.83
L	102+49.45	32.25	593.83	593.92
M	102+59.45	32.25	593.92	593.98
CL BRG. N. ABUT.	102+72.45	32.25	594.01	594.01
BK N. ABUT.	102+75.25	32.25	594.03	594.03

**BEAM 2**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
BK S. ABUT.	101+01.49	25.08	591.03	591.03
CL BRG. S. ABUT.	101+04.29	25.08	591.11	591.11
A	101+14.29	25.08	591.40	591.45
B	101+24.29	25.08	591.68	591.76
C	101+34.29	25.08	591.94	592.04
D	101+44.29	25.08	592.19	592.27
E	101+54.29	25.08	592.42	592.48
CL BRG. PIER 1	101+67.29	25.08	592.71	592.71
F	101+77.29	25.08	592.91	592.89
G	101+87.29	25.08	593.10	593.07
H	101+97.29	25.08	593.27	593.25
CL BRG. PIER 2	102+10.83	25.08	593.48	593.48
I	102+20.83	25.08	593.62	593.66
J	102+30.83	25.08	593.75	593.82
K	102+40.83	25.08	593.86	593.96
L	102+50.83	25.08	593.96	594.05
M	102+60.83	25.08	594.04	594.11
CL BRG. N. ABUT.	102+73.83	25.08	594.13	594.13
BK N. ABUT.	102+76.63	25.08	594.14	594.14

**BEAM 3**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
BK S. ABUT.	101+02.87	17.92	591.18	591.18
CL BRG. S. ABUT.	101+05.67	17.92	591.26	591.26
A	101+15.67	17.92	591.55	591.60
B	101+25.67	17.92	591.83	591.91
C	101+35.67	17.92	592.09	592.19
D	101+45.67	17.92	592.33	592.42
E	101+55.67	17.92	592.57	592.62
CL BRG. PIER 1	101+68.67	17.92	592.85	592.85
F	101+78.67	17.92	593.05	593.03
G	101+88.67	17.92	593.23	593.21
H	101+98.67	17.92	593.40	593.38
CL BRG. PIER 2	102+12.21	17.92	593.61	593.61
I	102+22.21	17.92	593.75	593.79
J	102+32.21	17.92	593.88	593.95
K	102+42.21	17.92	593.99	594.09
L	102+52.21	17.92	594.08	594.17
M	102+62.21	17.92	594.16	594.23
CL BRG. N. ABUT.	102+75.21	17.92	594.25	594.25
BK N. ABUT.	102+78.01	17.92	594.26	594.26

Notes:

1. Work this sheet with sheets S6, S8 and S9.
2. For top of slab elevations at South Approach, see sheet S10.
3. For top of slab elevations at North Approach, see sheet S11.

**TOP OF SLAB ELEVATIONS II  
STRUCTURE NO. 016-2119**

DESIGNED	EV
CHECKED	PC
DRAWN	JCP
CHECKED	JPO

 600 WEST FULTON STREET CHICAGO, ILLINOIS 60681-1259 TEL 312 454 9100 FAX 312 559 1217 WEB www.epsteinglobal.com	SHEET NO. S7  S52 SHEETS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		94	1314B-1	COOK	110	43
				CONTRACT NO. 60F65		
				ILLINOIS FED. AID PROJECT		