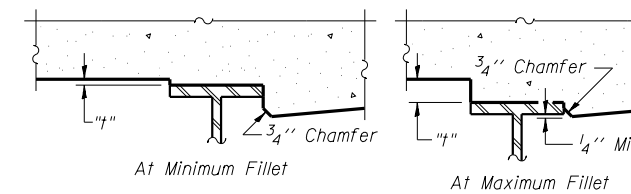
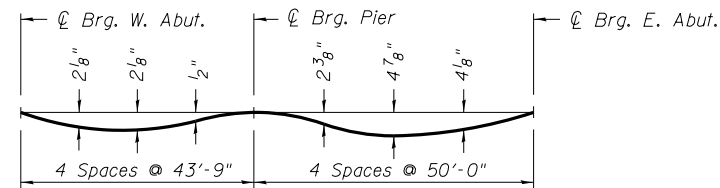


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION



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**



**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.

**BEAM 1**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	48+56.95	36.67 LT.	577.01	577.01
CL Brg. W. Abut.	48+62.30	36.67 LT.	577.09	577.09
A	48+72.30	36.67 LT.	577.24	577.29
B	48+82.30	36.67 LT.	577.37	577.47
C	48+92.30	36.67 LT.	577.50	577.63
D	49+02.30	36.67 LT.	577.61	577.78
E	49+12.30	36.67 LT.	577.72	577.90
F	49+22.30	36.67 LT.	577.81	578.01
G	49+32.30	36.67 LT.	577.89	578.09
H	49+42.30	36.67 LT.	577.96	578.15
I	49+52.30	36.67 LT.	578.02	578.19
J	49+62.30	36.67 LT.	578.06	578.21
K	49+72.30	36.67 LT.	578.10	578.21
L	49+82.30	36.67 LT.	578.13	578.21
M	49+92.30	36.67 LT.	578.14	578.19
N	50+02.30	36.67 LT.	578.14	578.16
O	50+12.30	36.67 LT.	578.13	578.14
P	50+22.30	36.67 LT.	578.12	578.11
Q	50+32.30	36.67 LT.	578.08	578.08
CL Pier	50+37.30	36.67 LT.	578.07	578.07
R	50+47.30	36.67 LT.	578.02	578.04
S	50+57.30	36.67 LT.	577.96	578.01
T	50+67.30	36.67 LT.	577.89	577.98
U	50+77.30	36.67 LT.	577.81	577.95
V	50+87.30	36.67 LT.	577.72	577.91
W	50+97.30	36.67 LT.	577.62	577.87
X	51+07.30	36.67 LT.	577.50	577.80
Y	51+17.30	36.67 LT.	577.38	577.73
Z	51+27.30	36.67 LT.	577.24	577.63
AA	51+37.30	36.67 LT.	577.10	577.51
BB	51+47.30	36.67 LT.	576.94	577.36
CC	51+57.30	36.67 LT.	576.77	577.20
DD	51+67.30	36.67 LT.	576.59	577.00
EE	51+77.30	36.67 LT.	576.40	576.78
FF	51+87.30	36.67 LT.	576.19	576.54
GG	51+97.30	36.67 LT.	575.98	576.28
HH	52+07.30	36.67 LT.	575.76	575.99
II	52+17.30	36.67 LT.	575.52	575.68
JJ	52+27.30	36.67 LT.	575.27	575.35
CL Brg. E. Abut.	52+37.30	36.67 LT.	575.01	575.01
Bk. E. Abut.	52+42.65	36.67 LT.	574.87	574.87

**BEAM 2**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	48+48.98	28.83 LT.	577.01	577.01
CL Brg. W. Abut.	48+54.33	28.83 LT.	577.10	577.10
A	48+64.33	28.83 LT.	577.25	577.30
B	48+74.33	28.83 LT.	577.40	577.49
C	48+84.33	28.83 LT.	577.53	577.67
D	48+94.33	28.83 LT.	577.66	577.82
E	49+04.33	28.83 LT.	577.77	577.96
F	49+14.33	28.83 LT.	577.87	578.07
G	49+24.33	28.83 LT.	577.96	578.16
H	49+34.33	28.83 LT.	578.04	578.23
I	49+44.33	28.83 LT.	578.10	578.28
J	49+54.33	28.83 LT.	578.16	578.31
K	49+64.33	28.83 LT.	578.21	578.32
L	49+74.33	28.83 LT.	578.24	578.32
M	49+84.33	28.83 LT.	578.26	578.31
N	49+94.33	28.83 LT.	578.27	578.30
O	50+04.33	28.83 LT.	578.27	578.28
P	50+14.33	28.83 LT.	578.26	578.26
Q	50+24.33	28.83 LT.	578.24	578.24
CL Pier	50+29.33	28.83 LT.	578.23	578.23
R	50+39.33	28.83 LT.	578.19	578.21
S	50+49.33	28.83 LT.	578.14	578.19
T	50+59.33	28.83 LT.	578.08	578.17
U	50+69.33	28.83 LT.	578.01	578.15
V	50+79.33	28.83 LT.	577.93	578.12
W	50+89.33	28.83 LT.	577.83	578.08
X	50+99.33	28.83 LT.	577.73	578.03
Y	51+09.33	28.83 LT.	577.61	577.96
Z	51+19.33	28.83 LT.	577.48	577.87
AA	51+29.33	28.83 LT.	577.35	577.76
BB	51+39.33	28.83 LT.	577.20	577.62
CC	51+49.33	28.83 LT.	577.04	577.46
DD	51+59.33	28.83 LT.	576.87	577.28
EE	51+69.33	28.83 LT.	576.68	577.07
FF	51+79.33	28.83 LT.	576.49	576.84
GG	51+89.33	28.83 LT.	576.28	576.58
HH	51+99.33	28.83 LT.	576.07	576.30
II	52+09.33	28.83 LT.	575.84	576.00
JJ	52+19.33	28.83 LT.	575.60	575.69
CL Brg. E. Abut.	52+29.33	28.83 LT.	575.35	575.35
Bk. E. Abut.	52+34.68	28.83 LT.	575.22	575.22

**BEAM 3**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	48+41.01	21.00 LT.	577.03	577.03
CL Brg. W. Abut.	48+46.36	21.00 LT.	577.12	577.12
A	48+56.36	21.00 LT.	577.28	577.33
B	48+66.36	21.00 LT.	577.44	577.53
C	48+76.36	21.00 LT.	577.58	577.71
D	48+86.36	21.00 LT.	577.71	577.88
E	48+96.36	21.00 LT.	577.83	578.02
F	49+06.36	21.00 LT.	577.94	578.14
G	49+16.36	21.00 LT.	578.04	578.24
H	49+26.36	21.00 LT.	578.13	578.32
I	49+36.36	21.00 LT.	578.20	578.38
J	49+46.36	21.00 LT.	578.27	578.42
K	49+56.36	21.00 LT.	578.32	578.44
L	49+66.36	21.00 LT.	578.37	578.45
M	49+76.36	21.00 LT.	578.40	578.45
N	49+86.36	21.00 LT.	578.42	578.44
O	49+96.36	21.00 LT.	578.43	578.43
P	50+06.36	21.00 LT.	578.43	578.42
Q	50+16.36	21.00 LT.	578.42	578.41
CL Pier	50+21.36	21.00 LT.	578.40	578.40
R	50+31.36	21.00 LT.	578.38	578.39
S	50+41.36	21.00 LT.	578.33	578.38
T	50+51.36	21.00 LT.	578.28	578.37
U	50+61.36	21.00 LT.	578.22	578.36
V	50+71.36	21.00 LT.	578.15	578.34
W	50+81.36	21.00 LT.	578.06	578.31
X	50+91.36	21.00 LT.	577.97	578.27
Y	51+01.36	21.00 LT.	577.86	578.21
Z	51+11.36	21.00 LT.	577.74	578.13
AA	51+21.36	21.00 LT.	577.61	578.02
BB	51+31.36	21.00 LT.	577.47	577.90
CC	51+41.36	21.00 LT.	577.32	577.75
DD	51+51.36	21.00 LT.	577.16	577.57
EE	51+61.36	21.00 LT.	576.98	577.37
FF	51+71.36	21.00 LT.	576.80	577.15
GG	51+81.36	21.00 LT.	576.60	576.90
HH	51+91.36	21.00 LT.	576.40	576.63
II	52+01.36	21.00 LT.	576.18	576.34
JJ	52+11.36	21.00 LT.	575.95	576.03
CL Brg. E. Abut.	52+21.36	21.00 LT.	575.71	575.71
Bk. E. Abut.	52+26.71	21.00 LT.	575.57	575.57

**TOP OF SLAB ELEVATIONS  
STRUCTURE NO. 032-0119**

DESIGNED - JSI/MAJ/JFS
CHECKED - JFS/MJB
DRAWN - MLB/JLP
CHECKED - JFS/MJB

**Foth**  
Foth Infrastructure & Environment, LLC  
7500 North Harker Drive  
Peoria, IL 61615  
Phone: 309-691-5300 Fax: 309-691-1892  
Illinois Registration Number 184.004913

SHEET NO. 5 33 SHEETS	F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	400	(32,47-4) HBR-2	GRUNDY	143	66
S.N. 032-0119			CONTRACT NO. 66873		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT		

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