

**P.G.L. & CL STAGE CONSTRUCTION JOINT**

**BEAMS 1 & 12**

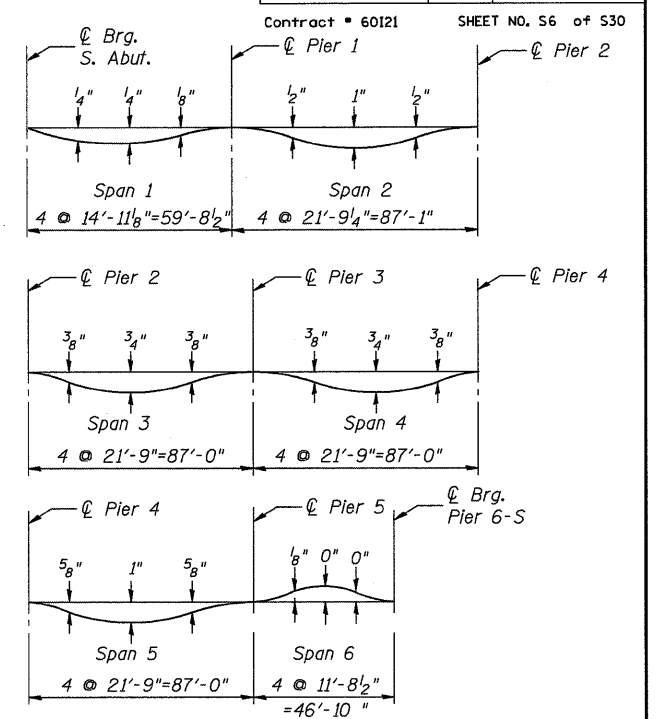
**BEAMS 2 & 11**

F.A.P.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	465 (HB&VB) F	COOK	31	7
STA. 173+50 TO STA. 195+00		FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT		

Location	Station	Offset	Theor. Grade Elevations	Theor. Grade Elev. Adj. For Dead Load Deflection
Bk. S. Abut.	176+87.26	0.00	662.22	662.22
☉ Brg. S. Abut.	176+90.26	0.00	662.34	662.34
A	177+00.26	0.00	662.73	662.74
B	177+10.26	0.00	663.11	663.14
C	177+20.26	0.00	663.50	663.52
D	177+30.26	0.00	663.89	663.90
E	177+40.26	0.00	664.28	664.28
☉ Pier 1	177+49.97	0.00	664.66	664.66
F	177+59.97	0.00	665.04	665.06
G	177+69.97	0.00	665.43	665.47
H	177+79.97	0.00	665.82	665.88
J	177+89.97	0.00	666.21	666.28
K	177+99.97	0.00	666.60	666.66
L	178+09.97	0.00	666.98	667.04
M	178+19.97	0.00	667.37	667.40
N	178+29.97	0.00	667.76	667.77
☉ Pier 2	178+37.05	0.00	668.04	668.04
P	178+47.05	0.00	668.42	668.43
R	178+57.05	0.00	668.81	668.84
S	178+67.05	0.00	669.20	669.25
T	178+77.05	0.00	669.59	669.65
U	178+87.05	0.00	669.98	670.03
V	178+97.05	0.00	670.36	670.41
W	179+07.05	0.00	670.75	670.78
X	179+17.05	0.00	671.14	671.15
☉ Pier 3	179+24.05	0.00	671.41	671.41
Y	179+34.05	0.00	671.80	671.81
Z	179+44.05	0.00	672.19	672.22
A1	179+54.05	0.00	672.58	672.62
B1	179+64.05	0.00	672.97	673.02
C1	179+74.05	0.00	673.35	673.40
D1	179+84.05	0.00	673.72	673.76
E1	179+94.05	0.00	674.09	674.10
F1	180+04.05	0.00	674.44	674.44
☉ Pier 4	180+11.05	0.00	674.68	674.68
G1	180+21.05	0.00	675.02	675.03
H1	180+31.05	0.00	675.34	675.38
J1	180+41.05	0.00	675.65	675.72
K1	180+51.05	0.00	675.96	676.04
L1	180+61.05	0.00	676.25	676.33
M1	180+71.05	0.00	676.54	676.60
N1	180+81.05	0.00	676.81	676.85
P1	180+91.05	0.00	677.07	677.09
☉ Pier 5	180+98.05	0.00	677.25	677.25
R1	181+08.05	0.00	677.50	677.49
S1	181+18.05	0.00	677.73	677.73
T1	181+28.05	0.00	677.96	677.96
U1	181+38.05	0.00	678.17	678.17
☉ Brg. Pier 6-S	181+44.88	0.00	678.31	678.31
☉ Pier 6	181+46.05	0.00	678.33	678.33

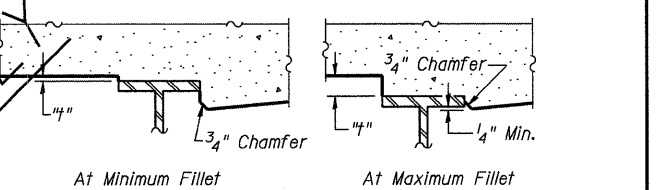
Location	Station	Offset	Theor. Grade Elevations	Theor. Grade Elev. Adj. For Dead Load Deflection
Bk. S. Abut.	176+87.26	46.75	661.29	661.29
☉ Brg. S. Abut.	176+90.26	46.75	661.40	661.40
A	177+00.26	46.75	661.79	661.81
B	177+10.26	46.75	662.18	662.20
C	177+20.26	46.75	662.57	662.59
D	177+30.26	46.75	662.96	662.97
E	177+40.26	46.75	663.34	663.34
☉ Pier 1	177+49.97	46.75	663.72	663.72
F	177+59.97	46.75	664.11	664.13
G	177+69.97	46.75	664.50	664.54
H	177+79.97	46.75	664.89	664.96
J	177+89.97	46.75	665.27	665.36
K	177+99.97	46.75	665.66	665.74
L	178+09.97	46.75	666.05	666.11
M	178+19.97	46.75	666.44	666.47
N	178+29.97	46.75	666.83	666.83
☉ Pier 2	178+37.05	46.75	667.10	667.10
P	178+47.05	46.75	667.49	667.50
R	178+57.05	46.75	667.88	667.91
S	178+67.05	46.75	668.27	668.32
T	178+77.05	46.75	668.65	668.72
U	178+87.05	46.75	669.04	669.11
V	178+97.05	46.75	669.43	669.48
W	179+07.05	46.75	669.82	669.85
X	179+17.05	46.75	670.21	670.21
☉ Pier 3	179+24.05	46.75	670.48	670.48
Y	179+34.05	46.75	670.87	670.88
Z	179+44.05	46.75	671.25	671.29
A1	179+54.05	46.75	671.64	671.70
B1	179+64.05	46.75	672.03	672.10
C1	179+74.05	46.75	672.41	672.48
D1	179+84.05	46.75	672.79	672.83
E1	179+94.05	46.75	673.15	673.17
F1	180+04.05	46.75	673.50	673.51
☉ Pier 4	180+11.05	46.75	673.74	673.74
G1	180+21.05	46.75	674.08	674.10
H1	180+31.05	46.75	674.41	674.45
J1	180+41.05	46.75	674.72	674.80
K1	180+51.05	46.75	675.02	675.12
L1	180+61.05	46.75	675.32	675.41
M1	180+71.05	46.75	675.60	675.68
N1	180+81.05	46.75	675.87	675.92
P1	180+91.05	46.75	676.14	676.15
☉ Pier 5	180+98.05	46.75	676.32	676.32
R1	181+08.05	46.75	676.56	676.55
S1	181+18.05	46.75	676.80	676.79
T1	181+28.05	46.75	677.02	677.02
U1	181+38.05	46.75	677.24	677.24
☉ Brg. Pier 6-S	181+44.88	46.75	677.38	677.38
☉ Pier 6	181+46.05	46.75	677.40	677.40

Location	Station	Offset	Theor. Grade Elevations	Theor. Grade Elev. Adj. For Dead Load Deflection
Bk. S. Abut.	176+87.26	38.25	661.46	661.46
☉ Brg. S. Abut.	176+90.26	38.25	661.57	661.57
A	177+00.26	38.25	661.96	661.98
B	177+10.26	38.25	662.35	662.37
C	177+20.26	38.25	662.74	662.76
D	177+30.26	38.25	663.13	663.14
E	177+40.26	38.25	663.51	663.51
☉ Pier 1	177+49.97	38.25	663.89	663.89
F	177+59.97	38.25	664.28	664.29
G	177+69.97	38.25	664.67	664.71
H	177+79.97	38.25	665.06	665.12
J	177+89.97	38.25	665.44	665.52
K	177+99.97	38.25	665.83	665.90
L	178+09.97	38.25	666.22	666.27
M	178+19.97	38.25	666.61	666.64
N	178+29.97	38.25	667.00	667.00
☉ Pier 2	178+37.05	38.25	667.27	667.27
P	178+47.05	38.25	667.66	667.67
R	178+57.05	38.25	668.05	668.07
S	178+67.05	38.25	668.44	668.48
T	178+77.05	38.25	668.82	668.88
U	178+87.05	38.25	669.21	669.27
V	178+97.05	38.25	669.60	669.64
W	179+07.05	38.25	669.99	670.01
X	179+17.05	38.25	670.38	670.38
☉ Pier 3	179+24.05	38.25	670.65	670.65
Y	179+34.05	38.25	671.04	671.04
Z	179+44.05	38.25	671.42	671.45
A1	179+54.05	38.25	671.81	671.86
B1	179+64.05	38.25	672.20	672.25
C1	179+74.05	38.25	672.58	672.64
D1	179+84.05	38.25	672.96	673.00
E1	179+94.05	38.25	673.32	673.34
F1	180+04.05	38.25	673.67	673.68
☉ Pier 4	180+11.05	38.25	673.91	673.91
G1	180+21.05	38.25	674.25	674.26
H1	180+31.05	38.25	674.58	674.61
J1	180+41.05	38.25	674.89	674.95
K1	180+51.05	38.25	675.19	675.27
L1	180+61.05	38.25	675.49	675.57
M1	180+71.05	38.25	675.77	675.84
N1	180+81.05	38.25	676.04	676.08
P1	180+91.05	38.25	676.31	676.32
☉ Pier 5	180+98.05	38.25	676.49	676.49
R1	181+08.05	38.25	676.73	676.72
S1	181+18.05	38.25	676.97	676.96
T1	181+28.05	38.25	677.19	677.19
U1	181+38.05	38.25	677.41	677.41
☉ Brg. Pier 6-S	181+44.88	38.25	677.55	677.55
☉ Pier 6	181+46.05	38.25	677.57	677.57



**DEAD LOAD DEFLECTION DIAGRAM**  
(Includes weight of concrete only)

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. All elevations and offsets are in feet.

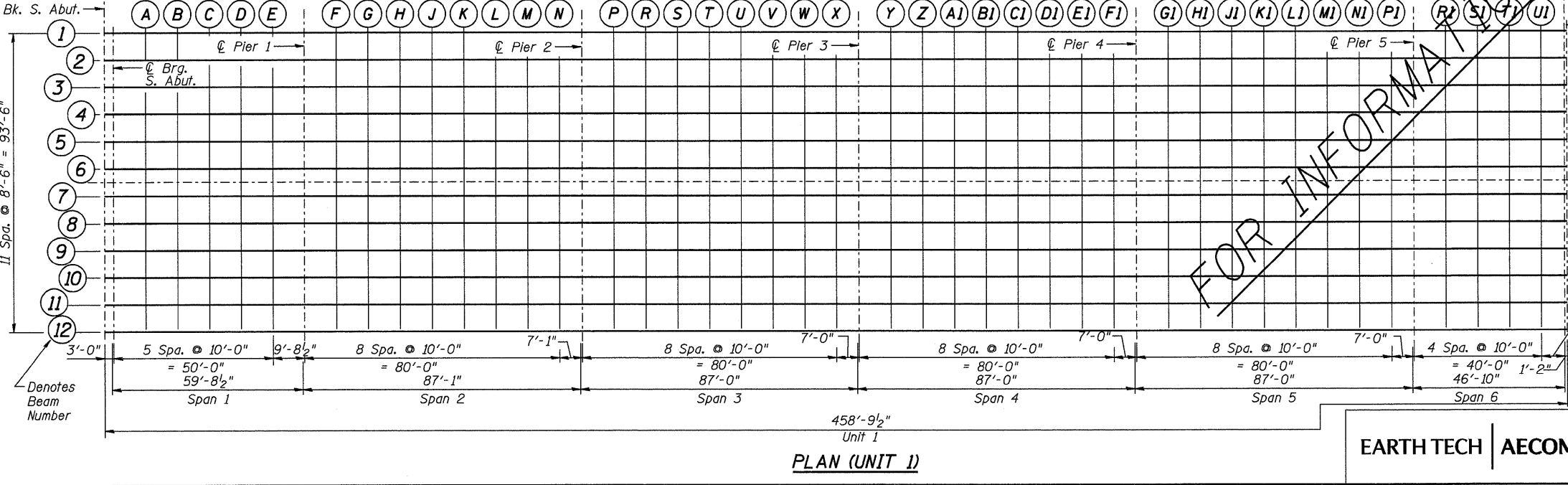


**FILLET HEIGHTS**

To determine "t": After all structural steel has been erected, elevations of the top flanges of the beams shall be taken at intervals shown left. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" shown here and on Sheet S7, minus slab thickness, equals the fillet heights "t" above top flange of beams.

**Notes:**

1. Work this sheet with Sheet S7.
2. See Sheet S14 for top of slab elevations at south approach.



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**TOP OF SLAB ELEVATIONS I**  
FAP 330 US 12/45 (MANNHEIM RD.) OVER  
500 LINE RR & FRANKLIN AVE.  
STRUCTURE NO. 016-2815  
SECTION 465 (HB & VB) F COOK COUNTY  
STA. 183+33.30 DRAWN BY JHR  
DATE 6/2009 CHECKED BY DEV

EARTH TECH | AECOM