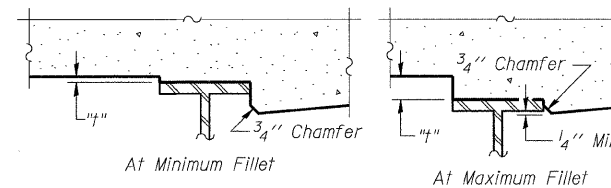


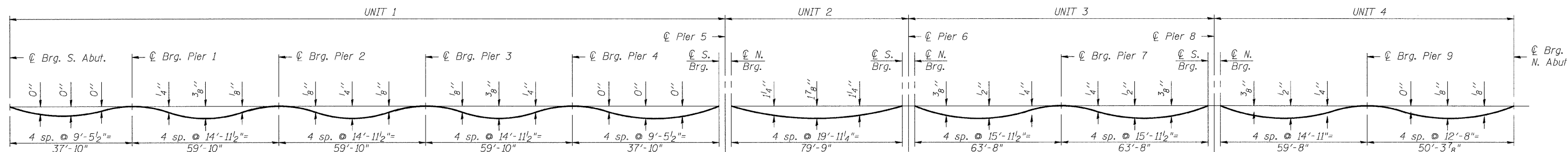
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



Note: Calculated "t" varies from 1/2" min. to 8 1/4" max.

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. S. Abut.	1233+11.70	21.88 L	695.08	695.08
Exp Joint	1233+13.26	21.88 L	695.15	695.15
S. Abut.	1233+14.04	21.88 L	695.19	695.19
A	1233+24.04	21.88 L	695.69	695.69
B	1233+34.04	21.88 L	696.19	696.19
C	1233+44.04	21.88 L	696.69	696.69
Q Pier 1	1233+51.87	21.88 L	697.08	697.08
D	1233+61.87	21.88 L	697.58	697.60
E	1233+71.87	21.88 L	698.08	698.11
F	1233+81.87	21.88 L	698.58	698.61
G	1233+91.87	21.88 L	699.08	699.10
H	1234+01.87	21.88 L	699.58	699.59
Q Pier 2	1234+11.70	21.88 L	700.07	700.07
J	1234+21.70	21.88 L	700.56	700.57
K	1234+31.70	21.88 L	701.03	701.05
L	1234+41.70	21.88 L	701.48	701.50
M	1234+51.70	21.88 L	701.91	701.92
N	1234+61.70	21.88 L	702.32	702.33
Q Pier 3	1234+71.54	21.88 L	702.71	702.71
P	1234+81.54	21.88 L	703.08	703.09
Q	1234+91.54	21.88 L	703.43	703.45
R	1235+01.54	21.88 L	703.77	703.80
S	1235+11.54	21.88 L	704.09	704.11
T	1235+21.54	21.88 L	704.38	704.40

BEAM 1 (CONTINUED)

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Q Pier 4	1235+31.37	21.88 L	704.66	704.66
U	1235+41.37	21.88 L	704.92	704.92
V	1235+51.37	21.88 L	705.16	705.16
W	1235+61.37	21.88 L	705.37	705.37
S. Brg. Pier 5	1235+69.20	21.88 L	705.47	705.47
Pier 5 & Exp. Joint	1235+69.83	21.88 L	705.48	705.48
N. Brg. Pier 5	1235+70.45	21.88 L	705.49	705.49
X	1235+80.46	21.99 L	705.60	705.65
Y	1235+89.83	22.10 L	705.68	705.78
Z	1236+00.65	22.17 L	705.73	705.86
A1	1236+10.80	22.17 L	705.76	705.91
B1	1236+20.96	22.10 L	705.78	705.91
C1	1236+31.12	21.95 L	705.87	705.98
D1	1236+41.27	21.74 L	705.95	706.01
S. Brg. Pier 6	1236+51.10	21.45 L	706.01	706.01
Pier 6 & Exp. Joint	1236+51.73	21.43 L	706.02	706.02
N. Brg. Pier 6	1236+52.37	21.46 L	706.02	706.02
E1	1236+62.52	21.85 L	706.03	706.06
F1	1236+72.67	22.16 L	706.03	706.06
G1	1236+82.83	22.41 L	706.01	706.05
H1	1236+92.98	22.58 L	705.97	706.00
J1	1237+03.14	22.69 L	705.92	705.94

BEAM 1 (CONTINUED)

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Q Pier 7	1237+17.23	22.71 L	705.82	705.82
K1	1237+27.39	22.64 L	705.72	705.74
L1	1237+37.55	22.50 L	705.61	705.64
M1	1237+47.70	22.29 L	705.48	705.53
N1	1237+57.86	22.01 L	705.34	705.38
P1	1237+68.00	21.65 L	705.18	705.21
S. Brg. Pier 8	1237+81.64	21.09 L	704.94	704.94
Pier 8 & Exp. Joint	1237+81.28	21.06 L	704.93	704.93
N. Brg. Pier 8	1237+82.93	21.08 L	704.91	704.91
Q1	1237+93.07	21.45 L	704.67	704.70
R1	1238+03.22	21.74 L	704.42	704.43
S1	1238+13.37	21.96 L	704.15	704.19
T1	1238+23.53	22.10 L	703.86	703.89
U1	1238+33.68	22.17 L	703.55	703.57
S. Brg. Pier 9	1238+43.82	22.17 L	703.23	703.23
V1	1238+53.97	22.09 L	702.89	702.89
W1	1238+64.13	21.95 L	702.54	702.54
X1	1238+74.28	21.73 L	702.17	702.18
Y1	1238+84.43	21.44 L	701.78	701.79
N. Abut.	1238+94.69	21.11 L	701.37	701.37
Exp. Joint	1238+95.51	21.08 L	701.33	701.33
Bk. N. Abut.	1238+96.21	21.02 L	701.26	701.26

DESIGNED - MJB/MAJ
CHECKED - JFS
DRAWN - MSJ/MLB
CHECKED - MJB

TOP OF SLAB ELEVATIONS
STRUCTURE NO. 058-0014



SHEET NO. 6 49 SHEETS	F.A.P RTE. 710	SECTION (50Z-VB)BR	COUNTY MACON	TOTAL SHEETS 79	SHEET NO. 32
	CONTRACT NO. 74215				
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT		