

DEAD LOAD DEFLECTION DIAGRAM

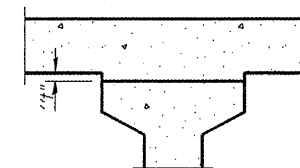
(Includes weight of concrete only.)

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 and on sheets 7 - 8 of 41.

BEAM 6

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	755+97.92	14.375	524.98	524.98
☉ Brg. S. Abut.	756+01.17	14.375	525.03	525.03
A	756+11.17	14.375	525.14	525.17
B	756+21.17	14.375	525.26	525.31
C	756+31.17	14.375	525.36	525.43
D	756+41.17	14.375	525.47	525.54
E	756+51.17	14.375	525.57	525.64
F	756+61.17	14.375	525.66	525.73
G	756+71.17	14.375	525.75	525.80
H	756+81.17	14.375	525.84	525.86
☉ Pier 1	756+91.00	14.375	525.92	525.92
I	757+01.00	14.375	525.99	526.02
J	757+11.00	14.375	526.06	526.11
K	757+21.00	14.375	526.13	526.19
L	757+31.00	14.375	526.19	526.26
M	757+41.00	14.375	526.25	526.32
N	757+51.00	14.375	526.31	526.37
O	757+61.00	14.375	526.35	526.40
P	757+71.00	14.375	526.40	526.42
☉ Pier 2	757+82.00	14.375	526.44	526.44
Q	757+92.00	14.375	526.48	526.52
R	758+02.00	14.375	526.51	526.59
S	758+12.00	14.375	526.53	526.65
T	758+22.00	14.375	526.55	526.69
U	758+32.00	14.375	526.57	526.72
V	758+42.00	14.375	526.58	526.73
W	758+52.00	14.375	526.59	526.73
X	758+62.00	14.375	526.59	526.71
Y	758+72.00	14.375	526.59	526.67
Z	758+82.00	14.375	526.58	526.62
☉ Pier 3	758+92.00	14.375	526.57	526.57
A1	759+02.00	14.375	526.56	526.58
B1	759+12.00	14.375	526.54	526.58
C1	759+22.00	14.375	526.51	526.57
D1	759+32.00	14.375	526.48	526.56
E1	759+42.00	14.375	526.45	526.52
F1	759+52.00	14.375	526.41	526.48
G1	759+62.00	14.375	526.37	526.42
H1	759+72.00	14.375	526.32	526.35
☉ Pier 4	759+83.00	14.375	526.26	526.26
I1	759+93.00	14.375	526.21	526.23
J1	760+03.00	14.375	526.15	526.19
K1	760+13.00	14.375	526.08	526.15
L1	760+23.00	14.375	526.01	526.08
M1	760+33.00	14.375	525.93	526.01
N1	760+43.00	14.375	525.85	525.92
O1	760+53.00	14.375	525.77	525.82
P1	760+63.00	14.375	525.68	525.71
☉ Brg. N. Abut.	760+72.83	14.375	525.59	525.59
Bk. N. Abut.	760+76.08	14.375	525.56	525.56



To determine "t": After all precast prestressed beams have been erected, elevations of the top flanges of the beams shall be taken at intervals shown on sheet 6 of 41. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflections" shown on sheet 7 thru 9 of 41, minus slab thickness, equals the fillet heights "t" above top flanges of beams.

FILLET HEIGHTS

USER NAME = dheberling	DESIGNED - BRD/FLL	REVISED -
FILE NAME = 0550083-68482.dgn	CHECKED - SDS/JHP	REVISED -
PLOT DATE = 12/21/2010	DRAWN - DLH	REVISED -
PLOT TIME = 10:38:18 AM	CHECKED - CWC/SDS	REVISED -

WHKS & CO.
 7018 KINGSMILL CT.,
 SPRINGFIELD, IL
 (217) 483-9457
ENGINEERING
 DESIGN FIRM #184001036

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF SLAB ELEVATIONS
S.N. 055-0083

SHEET NO. 9 OF 41 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
542	105BR-1	MCDONOUGH	117	49
CONTRACT NO. 68482				
ILLINOIS FED. AID PROJECT				