

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 on Sheets 6 through 9 of 43.

BEAM 14

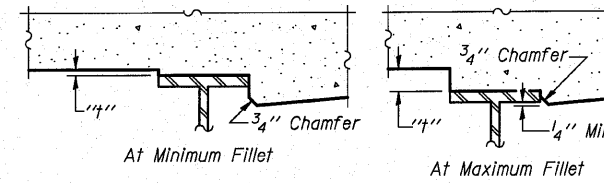
Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. N. Abut.	51431.281	-15.082	478.329	478.329
CL Brg. N. Abut.	51435.913	-15.083	478.364	478.364
A	51445.913	-15.083	478.436	478.450
B	51455.913	-15.083	478.506	478.527
C	51465.913	-15.083	478.573	478.593
D	51475.913	-15.083	478.638	478.649
E	51485.913	-15.083	478.701	478.701
CL Brg. Pier 1	51497.163	-15.082	478.768	478.768
F	51507.163	-15.082	478.825	478.847
G	51517.163	-15.082	478.879	478.933
H	51527.163	-15.082	478.931	479.014
I	51537.163	-15.082	478.981	479.079
J	51547.163	-15.082	479.028	479.125
K	51557.163	-15.082	479.072	479.152
L	51567.163	-15.082	479.114	479.165
M	51577.163	-15.082	479.153	479.172
CL Brg. Pier 2	51586.163	-15.083	479.187	479.187
N	51596.163	-15.083	479.221	479.221
O	51606.163	-15.083	479.254	479.263
P	51616.163	-15.083	479.283	479.302
Q	51626.163	-15.083	479.310	479.332
R	51636.163	-15.083	479.335	479.350
CL Brg. S. Abut.	51647.413	-15.082	479.360	479.360
Bk. S. Abut.	51652.030	-15.083	479.369	479.369

BEAM 15

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. N. Abut.	51438.572	-8.832	478.498	478.498
CL Brg. N. Abut.	51443.205	-8.832	478.531	478.531
A	51453.205	-8.832	478.602	478.615
B	51463.205	-8.832	478.670	478.691
C	51473.205	-8.832	478.735	478.755
D	51483.205	-8.832	478.798	478.809
E	51493.205	-8.832	478.859	478.859
CL Brg. Pier 1	51504.455	-8.832	478.924	478.924
F	51514.455	-8.832	478.979	479.001
G	51524.455	-8.832	479.032	479.086
H	51534.455	-8.832	479.082	479.164
I	51544.455	-8.832	479.130	479.228
J	51554.455	-8.832	479.175	479.272
K	51564.455	-8.832	479.217	479.297
L	51574.455	-8.832	479.257	479.308
M	51584.455	-8.832	479.295	479.314
CL Brg. Pier 2	51593.455	-8.832	479.327	479.327
N	51603.455	-8.832	479.360	479.359
O	51613.455	-8.832	479.390	479.399
P	51623.455	-8.832	479.418	479.436
Q	51633.455	-8.832	479.443	479.464
R	51643.455	-8.832	479.466	479.481
CL Brg. S. Abut.	51654.705	-8.832	479.488	479.488
Bk. S. Abut.	51659.322	-8.833	479.497	479.497

STAGE CONSTRUCTION JOINT

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. N. Abut.	51440.711	-6.999	478.542	478.542
CL Brg. N. Abut.	51445.344	-7.000	478.575	478.575
A	51455.344	-7.000	478.645	478.659
B	51465.344	-7.000	478.713	478.734
C	51475.344	-7.000	478.778	478.798
D	51485.344	-7.000	478.841	478.851
E	51495.344	-7.000	478.900	478.900
CL Brg. Pier 1	51506.594	-6.999	478.965	478.965
F	51516.594	-6.999	479.020	479.041
G	51526.594	-6.999	479.072	479.126
H	51536.594	-6.999	479.121	479.204
I	51546.594	-6.999	479.168	479.267
J	51556.594	-6.999	479.213	479.311
K	51566.594	-6.999	479.255	479.335
L	51576.594	-6.999	479.295	479.345
M	51586.594	-6.999	479.332	479.351
CL Brg. Pier 2	51595.594	-7.000	479.363	479.363
N	51605.594	-7.000	479.395	479.394
O	51615.594	-7.000	479.425	479.434
P	51625.594	-7.000	479.452	479.471
Q	51635.594	-7.000	479.477	479.498
R	51645.594	-7.000	479.499	479.514
CL Brg. S. Abut.	51656.844	-6.999	479.521	479.521
Bk. S. Abut.	51661.461	-7.000	479.529	479.529



To determine "t": After all structural steel has been erected, elevations of the top flanges of the beams shall be taken at intervals shown on Sheet 6 of 43. These elevations subtracted from the Theoretical Grade Elevations Adjusted For Dead Load Deflection" shown on Sheets 6 through 9 of 43, minus slab thickness, equals the fillet heights "t" above top flange of beams.

FILLET HEIGHTS

**TOP OF SLAB ELEVATIONS
SB STRUCTURE
STRUCTURE NO. 028-0081**

COOMBE-BLOXDORF P.C. Engineers / Land Surveyors Springfield, Illinois Design Firm License No. 184-002703	PROJECT NO. 07062	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DATE 11/12/08	57	(28-3-1)VB-1	FRANKLIN	98	31
	DESIGN BY CME/GB DRAWN BY TFG CHECKED BY CME/MCB	SHEET NO. 7 43 SHEETS	CONTRACT NO. 78068			
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT						