

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BEAMS 9 & 14

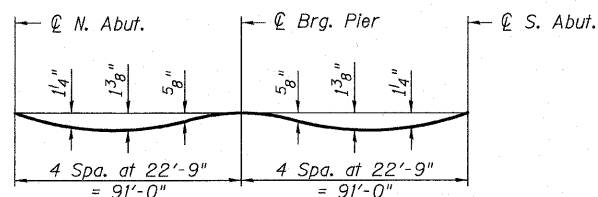
Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. N. Abutment	118+78.93	22.58	418.75	418.75
☉ Brg. N. Abut.	118+80.18	22.58	418.75	418.75
A	118+90.18	22.58	418.80	418.85
B	119+00.18	22.58	418.84	418.93
C	119+10.18	22.58	418.88	419.00
D	119+20.18	22.58	418.92	419.04
E	119+30.18	22.58	418.95	419.06
F	119+40.18	22.58	418.99	419.07
G	119+50.18	22.58	419.02	419.07
H	119+60.18	22.58	419.05	419.07
☉ Brg. Pier	119+71.18	22.58	419.08	419.08
I	119+81.18	22.58	419.11	419.12
J	119+91.18	22.58	419.14	419.18
K	120+01.18	22.58	419.16	419.24
L	120+11.18	22.58	419.18	419.29
M	120+21.18	22.58	419.20	419.33
N	120+31.18	22.58	419.22	419.34
O	120+41.18	22.58	419.24	419.33
P	120+51.18	22.58	419.25	419.31
☉ Brg. S. Abut.	120+62.18	22.58	419.26	419.26
Bk. of S. Abut.	120+63.43	22.58	419.27	419.27

BEAMS 10 & 13

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. N. Abutment	118+78.93	28.25	418.63	418.63
☉ Brg. N. Abut.	118+80.18	28.25	418.63	418.63
A	118+90.18	28.25	418.68	418.73
B	119+00.18	28.25	418.72	418.82
C	119+10.18	28.25	418.76	418.88
D	119+20.18	28.25	418.80	418.92
E	119+30.18	28.25	418.84	418.95
F	119+40.18	28.25	418.87	418.95
G	119+50.18	28.25	418.90	418.95
H	119+60.18	28.25	418.93	418.95
☉ Brg. Pier	119+71.18	28.25	418.97	418.97
I	119+81.18	28.25	418.99	419.01
J	119+91.18	28.25	419.02	419.06
K	120+01.18	28.25	419.04	419.12
L	120+11.18	28.25	419.06	419.17
M	120+21.18	28.25	419.08	419.21
N	120+31.18	28.25	419.10	419.22
O	120+41.18	28.25	419.12	419.22
P	120+51.18	28.25	419.13	419.19
☉ Brg. S. Abut.	120+62.18	28.25	419.15	419.15
Bk. of S. Abut.	120+63.43	28.25	419.15	419.15

BEAMS 11 & 12

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. N. Abutment	118+78.93	33.92	418.51	418.51
☉ Brg. N. Abut.	118+80.18	33.92	418.52	418.52
A	118+90.18	33.92	418.56	418.61
B	119+00.18	33.92	418.60	418.70
C	119+10.18	33.92	418.64	418.76
D	119+20.18	33.92	418.68	418.81
E	119+30.18	33.92	418.72	418.83
F	119+40.18	33.92	418.75	418.83
G	119+50.18	33.92	418.79	418.83
H	119+60.18	33.92	418.82	418.83
☉ Brg. Pier	119+71.18	33.92	418.85	418.85
I	119+81.18	33.92	418.88	418.89
J	119+91.18	33.92	418.90	418.94
K	120+01.18	33.92	418.92	419.00
L	120+11.18	33.92	418.95	419.05
M	120+21.18	33.92	418.97	419.09
N	120+31.18	33.92	418.98	419.10
O	120+41.18	33.92	419.00	419.10
P	120+51.18	33.92	419.01	419.07
☉ Brg. S. Abut.	120+62.18	33.92	419.03	419.03
Bk. of S. Abut.	120+63.43	33.92	419.03	419.03

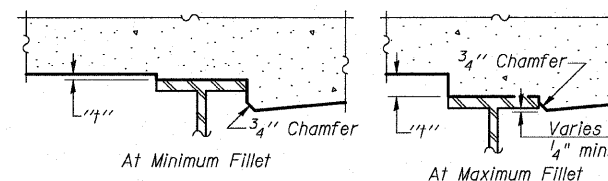


DEAD LOAD DEFLECTION DIAGRAM

(Includes weight of concrete only.)

Note:

The above deflections are not to be used in the field if the engineer is working from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" as shown on sheets 6, 7, & 8 of 29



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 on sheet 5 of 29. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" shown, minus slab thickness, equals the fillet heights "t" above top flange of beams.

TOP OF SLAB ELEVATIONS
STRUCTURE NO. 028-0079 (N.B.)
STRUCTURE NO. 028-0080 (S.B.)

SHEET NO. 8	F.A.I. RTE. 57	SECTION (28-5)VB-1	COUNTY FRANKLIN	TOTAL SHEETS 81	SHEET NO. 31
SHEETS 29			CONTRACT NO. 78157		
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT					
<p>QATES ASSOCIATES Consulting Engineers</p>		Eastport Business Center 1		DESIGNED JAD	
		100 Lanter Court, Suite 1		CHECKED MJP	
		Collinsville, Illinois 62234		DRAWN JAD	
		618-345-2200		CHECKED MJP	
Design Firm License No. 184.001115					