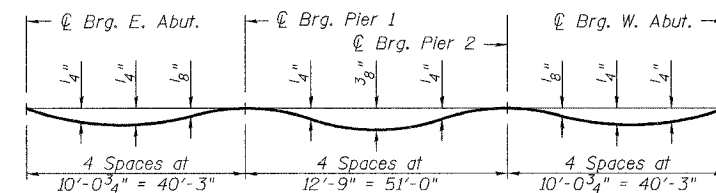


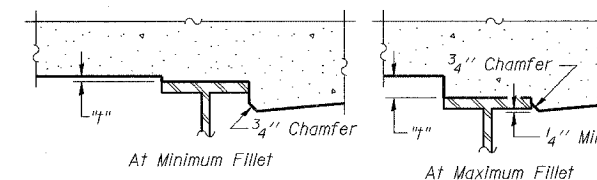
PLAN



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.



To determine "h": After all structural steel has been erected, elevations of the top flanges of the beams shall be taken at intervals shown to the left and on sheet 5 of 20. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" shown to the left and on sheet 5 of 20, minus slab thickness, equals the fillet heights "h" above top flange of beams.

FILLET HEIGHTS

BEAM 1

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. E. Abut.	810+06.11	-14.79	746.42	746.42
☉ Brg. E. Abut.	810+07.36	-14.79	746.42	746.42
A	810+17.36	-14.79	746.49	746.50
B	810+27.36	-14.79	746.53	746.55
C	810+37.36	-14.79	746.56	746.57
☉ Brg. Pier 1	810+47.61	-14.79	746.58	746.58
D	810+57.61	-14.79	746.58	746.59
E	810+67.61	-14.79	746.56	746.59
F	810+77.61	-14.79	746.53	746.56
G	810+87.61	-14.79	746.49	746.50
☉ Brg. Pier 2	810+98.61	-14.79	746.42	746.42
H	811+08.58	-14.79	746.34	746.35
I	811+18.46	-14.85	746.25	746.27
J	811+28.33	-15.00	746.14	746.16
☉ Brg. W. Abut.	811+38.46	-15.23	746.01	746.01
Bk. W. Abut.	811+39.69	-15.26	746.00	746.00

BEAM 2

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. E. Abut.	810+06.11	-8.88	746.52	746.52
☉ Brg. E. Abut.	810+07.36	-8.88	746.53	746.53
A	810+17.36	-8.88	746.59	746.61
B	810+27.36	-8.88	746.64	746.66
C	810+37.36	-8.88	746.67	746.68
☉ Brg. Pier 1	810+47.61	-8.88	746.68	746.68
D	810+57.61	-8.88	746.68	746.70
E	810+67.61	-8.88	746.67	746.70
F	810+77.61	-8.88	746.64	746.67
G	810+87.61	-8.88	746.59	746.61
☉ Brg. Pier 2	810+98.61	-8.88	746.53	746.53
H	811+08.59	-8.88	746.45	746.46
I	811+18.52	-8.94	746.36	746.38
J	811+28.44	-9.08	746.25	746.27
☉ Brg. W. Abut.	811+38.61	-9.31	746.12	746.12
Bk. W. Abut.	811+39.85	-9.35	746.10	746.10

rjngroup

Excellence through Ownership

200 West Front Street
Wheaton, IL 60187

ILLINOIS DEPARTMENT OF TRANSPORTATION

TOP OF SLAB ELEVATIONS - I
IL RTE 9 OVER DRUMMER CREEK
FAP RTE 693 - SECTION 19BR-1
FORD COUNTY
STATION 810+73.11
STRUCTURE NO. 027-0096

DATE: 8/7/2007

DRAWN BY WJV
CHECKED BY BLB