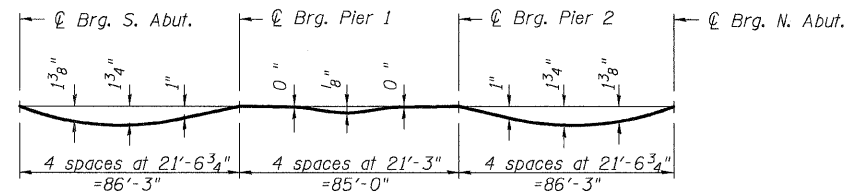


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 4
F.A.P. 324	23B-1	McHENRY	97	44	25 SHEETS
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT			

Contract # 62892

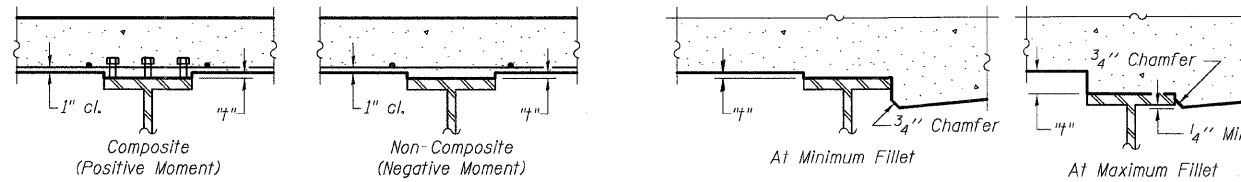


DEAD LOAD DEFLECTION DIAGRAM

(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.



INTERIOR BEAMS

EXTERIOR BEAMS

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

FILLET HEIGHTS

BEAM 1

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	67+72.50	-20.42	804.46	804.46
C S. Abut.	67+73.75	-20.42	804.46	804.46
A	67+83.75	-20.42	804.51	804.57
B	67+93.75	-20.42	804.56	804.67
C	68+03.75	-20.42	804.61	804.75
D	68+13.75	-20.42	804.66	804.81
E	68+23.75	-20.42	804.71	804.84
F	68+33.75	-20.42	804.76	804.86
G	68+43.75	-20.42	804.81	804.87
H	68+53.75	-20.42	804.86	804.88
C Pier 1	68+60.00	-20.42	804.89	804.89
I	68+70.00	-20.42	804.94	804.93
J	68+80.00	-20.42	804.99	804.99
K	68+90.00	-20.42	805.04	805.04
L	69+00.00	-20.42	805.09	805.10
M	69+10.00	-20.42	805.14	805.15
N	69+20.00	-20.42	805.19	805.19
O	69+30.00	-20.42	805.24	805.23
P	69+40.00	-20.42	805.29	805.28
C Pier 2	69+45.00	-20.42	805.32	805.32
Q	69+55.00	-20.42	805.37	805.40
R	69+65.00	-20.42	805.42	805.49
S	69+75.00	-20.42	805.47	805.58
T	69+85.00	-20.42	805.52	805.66
U	69+95.00	-20.42	805.57	805.71
V	70+05.00	-20.42	805.62	805.75
W	70+15.00	-20.42	805.67	805.76
X	70+25.00	-20.42	805.72	805.76
C N. Abut.	70+31.25	-20.42	805.75	805.75
Bk. N. Abut.	70+32.50	-20.42	805.75	805.75

BEAM 2

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	67+72.50	-14.58	804.58	804.58
C S. Abut.	67+73.75	-14.58	804.58	804.58
A	67+83.75	-14.58	804.63	804.69
B	67+93.75	-14.58	804.68	804.79
C	68+03.75	-14.58	804.73	804.87
D	68+13.75	-14.58	804.78	804.93
E	68+23.75	-14.58	804.83	804.96
F	68+33.75	-14.58	804.88	804.98
G	68+43.75	-14.58	804.93	804.99
H	68+53.75	-14.58	804.98	805.00
C Pier 1	68+60.00	-14.58	805.01	805.01
I	68+70.00	-14.58	805.06	805.05
J	68+80.00	-14.58	805.11	805.11
K	68+90.00	-14.58	805.16	805.16
L	69+00.00	-14.58	805.21	805.22
M	69+10.00	-14.58	805.26	805.27
N	69+20.00	-14.58	805.31	805.31
O	69+30.00	-14.58	805.36	805.35
P	69+40.00	-14.58	805.41	805.40
C Pier 2	69+45.00	-14.58	805.44	805.44
Q	69+55.00	-14.58	805.49	805.52
R	69+65.00	-14.58	805.54	805.61
S	69+75.00	-14.58	805.59	805.70
T	69+85.00	-14.58	805.64	805.78
U	69+95.00	-14.58	805.69	805.83
V	70+05.00	-14.58	805.74	805.87
W	70+15.00	-14.58	805.79	805.88
X	70+25.00	-14.58	805.84	805.88
C N. Abut.	70+31.25	-14.58	805.87	805.87
Bk. N. Abut.	70+32.50	-14.58	805.87	805.87

BEAM 3

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	67+72.50	-8.75	804.68	804.68
C S. Abut.	67+73.75	-8.75	804.68	804.68
A	67+83.75	-8.75	804.73	804.79
B	67+93.75	-8.75	804.78	804.89
C	68+03.75	-8.75	804.83	804.97
D	68+13.75	-8.75	804.88	805.03
E	68+23.75	-8.75	804.93	805.06
F	68+33.75	-8.75	804.98	805.08
G	68+43.75	-8.75	805.03	805.09
H	68+53.75	-8.75	805.08	805.10
C Pier 1	68+60.00	-8.75	805.11	805.11
I	68+70.00	-8.75	805.16	805.15
J	68+80.00	-8.75	805.21	805.21
K	68+90.00	-8.75	805.26	805.26
L	69+00.00	-8.75	805.31	805.32
M	69+10.00	-8.75	805.36	805.37
N	69+20.00	-8.75	805.41	805.41
O	69+30.00	-8.75	805.46	805.45
P	69+40.00	-8.75	805.51	805.50
C Pier 2	69+45.00	-8.75	805.54	805.54
Q	69+55.00	-8.75	805.59	805.62
R	69+65.00	-8.75	805.64	805.71
S	69+75.00	-8.75	805.69	805.80
T	69+85.00	-8.75	805.74	805.88
U	69+95.00	-8.75	805.79	805.93
V	70+05.00	-8.75	805.84	805.97
W	70+15.00	-8.75	805.89	805.98
X	70+25.00	-8.75	805.94	805.98
C N. Abut.	70+31.25	-8.75	805.97	805.97
Bk. N. Abut.	70+32.50	-8.75	805.97	805.97

DESIGNED	CJB
CHECKED	PWO
DRAWN	DRP
CHECKED	PJM



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TOP OF SLAB ELEVATIONS
ILL. ROUTE 23 OVER
KISHWAUKEE RIVER
F.A.P. RT. 324
McHENRY COUNTY
STATION 69+02.50
STRUCTURE NO. 056-0001