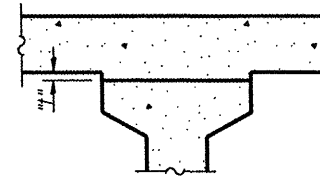


DEAD LOAD DEFLECTION DIAGRAM

(Includes weight of concrete, excluding beams).

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 "f": After all precast prestressed beams have been erected, elevations of the top flanges of the beams shall be taken at intervals shown on Sheet 2 of 17. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflections" shown below, minus slab thickness, equals the fillet heights "f" above top flanges of beams.

FILLET HEIGHTS

☉ ROADWAY & PROFILE GRADE

BEAM 1

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. N. Abut.	301+29.89	-14.58	610.33	610.33
☉ N. Abut.	301+31.15	-14.58	610.32	610.32
A	301+41.15	-14.58	610.24	610.27
B	301+51.15	-14.58	610.15	610.21
C	301+61.15	-14.58	610.07	610.14
D	301+71.15	-14.58	609.98	610.06
E	301+81.15	-14.58	609.90	609.96
F	301+91.15	-14.58	609.82	609.86
G	302+01.15	-14.58	609.73	609.75
☉ S. Abut.	302+06.64	-14.58	609.68	609.68
Bk. S. Abut.	302+07.89	-14.58	609.67	609.67

BEAM 2

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. N. Abut.	301+30.40	-8.75	610.43	610.43
☉ N. Abut.	301+31.66	-8.75	610.42	610.42
A	301+41.66	-8.75	610.34	610.37
B	301+51.66	-8.75	610.25	610.31
C	301+61.66	-8.75	610.17	610.24
D	301+71.66	-8.75	610.08	610.16
E	301+81.66	-8.75	610.00	610.07
F	301+91.66	-8.75	609.92	609.96
G	302+01.66	-8.75	609.83	609.85
☉ S. Abut.	302+07.15	-8.75	609.79	609.79
Bk. S. Abut.	302+08.40	-8.75	609.77	609.77

BEAM 3

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. N. Abut.	301+30.91	-2.92	610.52	610.52
☉ N. Abut.	301+32.17	-2.92	610.51	610.51
A	301+42.17	-2.92	610.42	610.45
B	301+52.17	-2.92	610.34	610.40
C	301+62.17	-2.92	610.26	610.33
D	301+72.17	-2.92	610.17	610.25
E	301+82.17	-2.92	610.09	610.15
F	301+92.17	-2.92	610.00	610.05
G	302+02.17	-2.92	609.92	609.93
☉ S. Abut.	302+07.66	-2.92	609.87	609.87
Bk. S. Abut.	302+08.91	-2.92	609.86	609.86

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. N. Abut.	301+31.17	0.00	610.56	610.56
☉ N. Abut.	301+32.42	0.00	610.55	610.55
A	301+42.42	0.00	610.47	610.50
B	301+52.42	0.00	610.38	610.44
C	301+62.42	0.00	610.30	610.37
D	301+72.42	0.00	610.21	610.29
E	301+82.42	0.00	610.13	610.20
F	301+92.42	0.00	610.05	610.09
G	302+02.42	0.00	609.96	609.98
☉ S. Abut.	302+07.91	0.00	609.92	609.92
Bk. S. Abut.	302+09.17	0.00	609.90	609.90

BEAM 4

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. N. Abut.	301+31.43	2.92	610.52	610.52
☉ N. Abut.	301+32.68	2.92	610.50	610.50
A	301+42.68	2.92	610.42	610.45
B	301+52.68	2.92	610.34	610.39
C	301+62.68	2.92	610.25	610.32
D	301+72.68	2.92	610.17	610.24
E	301+82.68	2.92	610.08	610.15
F	301+92.68	2.92	610.00	610.05
G	302+02.68	2.92	609.91	609.93
☉ S. Abut.	302+08.17	2.92	609.87	609.87
Bk. S. Abut.	302+09.42	2.92	609.86	609.86

BEAM 5

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. N. Abut.	301+31.94	8.75	610.42	610.42
☉ N. Abut.	301+33.19	8.75	610.41	610.41
A	301+43.19	8.75	610.32	610.35
B	301+53.19	8.75	610.24	610.30
C	301+63.19	8.75	610.16	610.23
D	301+73.19	8.75	610.07	610.15
E	301+83.19	8.75	609.99	610.05
F	301+93.19	8.75	609.90	609.95
G	302+03.19	8.75	609.82	609.83
☉ S. Abut.	302+08.68	8.75	609.77	609.77
Bk. S. Abut.	302+09.94	8.75	609.76	609.76

BEAM 6

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. N. Abut.	301+32.45	14.58	610.31	610.31
☉ N. Abut.	301+33.70	14.58	610.30	610.30
A	301+43.70	14.58	610.22	610.25
B	301+53.70	14.58	610.13	610.19
C	301+63.70	14.58	610.05	610.12
D	301+73.70	14.58	609.96	610.04
E	301+83.70	14.58	609.88	609.94
F	301+93.70	14.58	609.79	609.84
G	302+03.70	14.58	609.71	609.73
☉ S. Abut.	302+09.19	14.58	609.66	609.66
Bk. S. Abut.	302+10.45	14.58	609.65	609.65

DESIGNED	MJJ
CHECKED	ALN
DRAWN	MJJ
CHECKED	ALN

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SHEET NO. 3	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	534	109BR-2	HENDERSON	490	430
SHEETS 17	CONTRACT NO. 88773			FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT	

TOP OF SLAB ELEVATIONS
 STRUCTURE NO. 036-0069