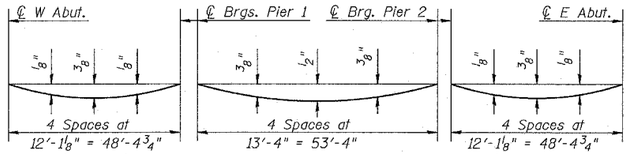
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S.B.I. F.A. 567	(12)BR-1	LEE	68	26
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 6
24 SHEETS

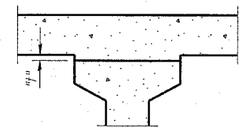
CONTRACT NO. 64425



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 and on sheet 5.



To determine "t": After all precast prestressed beams have been erected, elevations of the top flanges of the beams shall be taken at intervals shown on Sheet 5. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflections" shown below, minus slab thickness, equals the fillet heights "t" above top flanges of beams.

FILLET HEIGHTS

Stage Construction Line

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	438+34.28	1.750 Rt	784.558	784.554
℄ W. Abut.	438+35.54	1.750 Rt	784.579	784.579
A	438+45.54	1.750 Rt	784.741	784.759
B	438+55.54	1.750 Rt	784.903	784.931
C	438+65.54	1.750 Rt	785.065	785.092
D	438+75.54	1.750 Rt	785.227	785.242
℄ Pier # 1	438+84.86	1.750 Rt	785.378	785.378
E	438+94.86	1.750 Rt	785.540	785.565
F	439+04.86	1.750 Rt	785.702	785.743
G	439+14.86	1.750 Rt	785.864	785.907
H	439+24.86	1.750 Rt	786.026	786.057
I	439+34.86	1.750 Rt	786.188	786.197
℄ Pier # 2	439+40.03	1.750 Rt	786.271	786.271
J	439+50.03	1.750 Rt	786.433	786.451
K	439+60.03	1.750 Rt	786.595	786.623
L	439+70.03	1.750 Rt	786.757	786.784
M	439+80.03	1.750 Rt	786.919	786.934
℄ E. Abut.	439+89.34	1.750 Rt	787.070	787.070
Bk. E. Abut.	439+90.61	1.750 Rt	787.091	787.086

Beam 4

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	438+34.55	3.500 Rt	784.535	784.535
℄ W. Abut.	438+35.82	3.500 Rt	784.555	784.555
A	438+45.82	3.500 Rt	784.717	784.735
B	438+55.82	3.500 Rt	784.879	784.907
C	438+65.82	3.500 Rt	785.041	785.068
D	438+75.82	3.500 Rt	785.203	785.218
℄ Pier # 1	438+85.14	3.500 Rt	785.354	785.354
E	438+95.14	3.500 Rt	785.516	785.541
F	439+05.14	3.500 Rt	785.678	785.719
G	439+15.14	3.500 Rt	785.840	785.883
H	439+25.14	3.500 Rt	786.002	786.033
I	439+35.14	3.500 Rt	786.164	786.173
℄ Pier # 2	439+40.30	3.500 Rt	786.248	786.248
J	439+50.30	3.500 Rt	786.410	786.428
K	439+60.30	3.500 Rt	786.572	786.600
L	439+70.30	3.500 Rt	786.734	786.761
M	439+80.30	3.500 Rt	786.896	786.911
℄ E. Abut.	439+89.62	3.500 Rt	787.047	787.047
Bk. E. Abut.	439+90.89	3.500 Rt	787.067	787.067

Beam 5

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	438+35.66	10.500 Rt	784.444	784.444
℄ W. Abut.	438+36.93	10.500 Rt	784.464	784.464
A	438+46.93	10.500 Rt	784.626	784.644
B	438+56.93	10.500 Rt	784.788	784.816
C	438+66.93	10.500 Rt	784.950	784.977
D	438+76.93	10.500 Rt	785.112	785.127
℄ Pier # 1	438+86.25	10.500 Rt	785.263	785.263
E	438+96.25	10.500 Rt	785.425	785.450
F	439+06.25	10.500 Rt	785.587	785.628
G	439+16.25	10.500 Rt	785.749	785.792
H	439+26.25	10.500 Rt	785.911	785.942
I	439+36.25	10.500 Rt	786.073	786.082
℄ Pier # 2	439+41.41	10.500 Rt	786.157	786.157
J	439+51.41	10.500 Rt	786.319	786.337
K	439+61.41	10.500 Rt	786.481	786.509
L	439+71.41	10.500 Rt	786.643	786.670
M	439+81.41	10.500 Rt	786.805	786.820
℄ E. Abut.	439+90.73	10.500 Rt	786.956	786.956
Bk. E. Abut.	439+92.00	10.500 Rt	786.976	786.976

Beam 6

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	438+36.77	17.500 Rt	784.324	784.324
℄ W. Abut.	438+38.04	17.500 Rt	784.344	784.344
A	438+48.04	17.500 Rt	784.506	784.524
B	438+58.04	17.500 Rt	784.668	784.696
C	438+68.04	17.500 Rt	784.830	784.857
D	438+78.04	17.500 Rt	784.992	785.007
℄ Pier # 1	438+87.36	17.500 Rt	785.143	785.143
E	438+97.36	17.500 Rt	785.305	785.330
F	439+07.36	17.500 Rt	785.467	785.508
G	439+17.36	17.500 Rt	785.629	785.672
H	439+27.36	17.500 Rt	785.791	785.822
I	439+37.36	17.500 Rt	785.953	785.962
℄ Pier # 2	439+42.52	17.500 Rt	786.037	786.037
J	439+52.52	17.500 Rt	786.199	786.217
K	439+62.52	17.500 Rt	786.361	786.389
L	439+72.52	17.500 Rt	786.523	786.550
M	439+82.52	17.500 Rt	786.685	786.700
℄ E. Abut.	439+91.83	17.500 Rt	786.836	786.836
Bk. E. Abut.	439+93.11	17.500 Rt	786.856	786.856

DECK ELEVATIONS
IL RTE 38 OVER FRANKLIN CREEK
F.A.P. RTE 567 SECTION (12)BR-1
LEE COUNTY
STATION 439+12.17
S.N. 052-0020

DESIGNED JFJ	RANDOLPH & ASSOCIATES, INC.	FILE NUMBER 136.109
CHECKED DDB	901 N. PIONEER PARKWAY, PEORIA, IL 61610-0234	
DRAWN JB	TEL.309-676-0544 FAX.309-972-0088 1-800-651-1021	DATE July 2004
CHECKED JFJ	HTTP://WWW.RANDOLPHINC.COM	
	CONSULTING ENGINEERS • LAND SURVEYORS	

PI-E 9-1-03

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