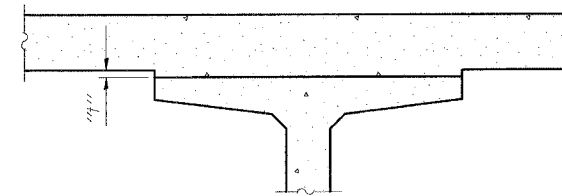


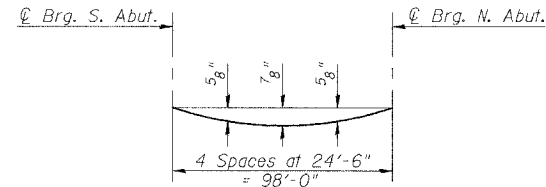
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION



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 below. These elevations subtracted from the "Theoretical Grade Elevations Adjusted For Dead Load Deflections" show below, minus slab thickness, equals the fillet heights "f" above top flanges of beams.

FILLET HEIGHTS

ROUTE NO.	SECTION	COUNTY	DATE	SHEET	SHEET NO.
FAP 609	*	ST. CLAIR	46	24	15 SHEETS
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	76-3BR		



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.

BEAM 1				
Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of S. Abut.	138+14.56	-17.5	520.734	520.734
Cl. Brg. S. Abut.	138+17.06	-17.5	520.699	520.699
A	138+27.06	-17.5	520.559	520.584
B	138+37.06	-17.5	520.419	520.464
C	138+47.06	-17.5	520.279	520.338
D	138+57.06	-17.5	520.139	520.208
E	138+67.06	-17.5	519.999	520.072
F	138+77.06	-17.5	519.859	519.926
G	138+87.06	-17.5	519.719	519.776
H	138+97.06	-17.5	519.579	519.620
I	139+07.06	-17.5	519.439	519.459
Cl. Brg. N. Abut.	139+15.06	-17.5	519.327	519.327
Bk. of N. Abut.	139+17.56	-17.5	519.292	519.292

BEAM 2				
Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of S. Abut.	138+14.56	-10.5	520.872	520.872
Cl. Brg. S. Abut.	138+17.06	-10.5	520.837	520.837
A	138+27.06	-10.5	520.697	520.722
B	138+37.06	-10.5	520.557	520.602
C	138+47.06	-10.5	520.417	520.476
D	138+57.06	-10.5	520.277	520.346
E	138+67.06	-10.5	520.137	520.210
F	138+77.06	-10.5	519.997	520.064
G	138+87.06	-10.5	519.857	519.914
H	138+97.06	-10.5	519.717	519.758
I	139+07.06	-10.5	519.577	519.597
Cl. Brg. N. Abut.	139+15.06	-10.5	519.465	519.465
Bk. of N. Abut.	139+17.56	-10.5	519.430	519.430

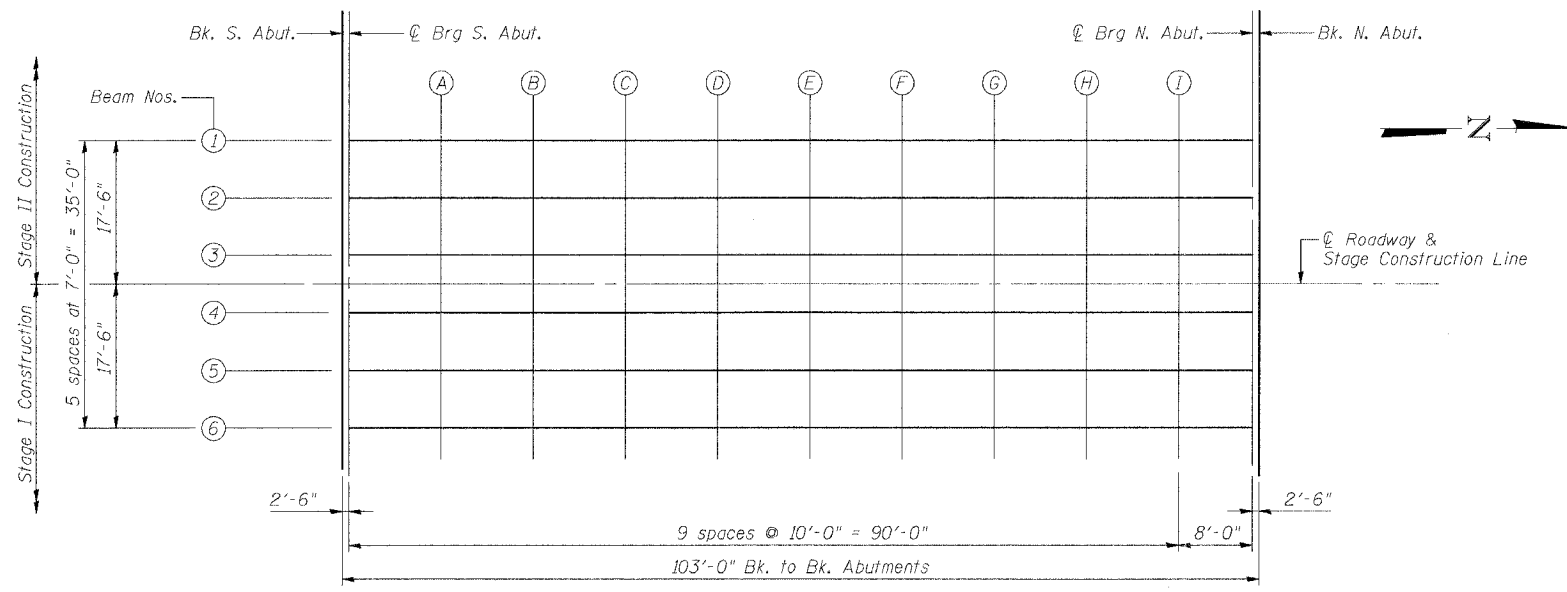
BEAM 3				
Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of S. Abut.	138+14.56	-3.5	520.981	520.981
Cl. Brg. S. Abut.	138+17.06	-3.5	520.946	520.946
A	138+27.06	-3.5	520.806	520.831
B	138+37.06	-3.5	520.666	520.711
C	138+47.06	-3.5	520.526	520.585
D	138+57.06	-3.5	520.386	520.455
E	138+67.06	-3.5	520.246	520.319
F	138+77.06	-3.5	520.106	520.173
G	138+87.06	-3.5	519.966	520.023
H	138+97.06	-3.5	519.826	519.867
I	139+07.06	-3.5	519.686	519.706
Cl. Brg. N. Abut.	139+15.06	-3.5	519.574	519.574
Bk. of N. Abut.	139+17.56	-3.5	519.539	519.539

CENTERLINE RDWY. & STAGE CONSTRUCTION LINE				
Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of S. Abut.	138+14.56	0.0	521.036	521.036
Cl. Brg. S. Abut.	138+17.06	0.0	521.001	521.001
A	138+27.06	0.0	520.861	520.886
B	138+37.06	0.0	520.721	520.766
C	138+47.06	0.0	520.581	520.640
D	138+57.06	0.0	520.441	520.510
E	138+67.06	0.0	520.301	520.374
F	138+77.06	0.0	520.161	520.228
G	138+87.06	0.0	520.021	520.078
H	138+97.06	0.0	519.881	519.922
I	139+07.06	0.0	519.741	519.761
Cl. Brg. N. Abut.	139+15.06	0.0	519.629	519.629
Bk. of N. Abut.	139+17.56	0.0	519.594	519.594

BEAM 4				
Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of S. Abut.	138+14.56	3.5	520.981	520.981
Cl. Brg. S. Abut.	138+17.06	3.5	520.946	520.946
A	138+27.06	3.5	520.806	520.831
B	138+37.06	3.5	520.666	520.711
C	138+47.06	3.5	520.526	520.585
D	138+57.06	3.5	520.386	520.455
E	138+67.06	3.5	520.246	520.319
F	138+77.06	3.5	520.106	520.173
G	138+87.06	3.5	519.966	520.023
H	138+97.06	3.5	519.826	519.867
I	139+07.06	3.5	519.686	519.706
Cl. Brg. N. Abut.	139+15.06	3.5	519.574	519.574
Bk. of N. Abut.	139+17.56	3.5	519.539	519.539

BEAM 5				
Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of S. Abut.	138+14.56	10.5	520.872	520.872
Cl. Brg. S. Abut.	138+17.06	10.5	520.837	520.837
A	138+27.06	10.5	520.697	520.722
B	138+37.06	10.5	520.557	520.602
C	138+47.06	10.5	520.417	520.476
D	138+57.06	10.5	520.277	520.346
E	138+67.06	10.5	520.137	520.210
F	138+77.06	10.5	519.997	520.064
G	138+87.06	10.5	519.857	519.914
H	138+97.06	10.5	519.717	519.758
I	139+07.06	10.5	519.577	519.597
Cl. Brg. N. Abut.	139+15.06	10.5	519.465	519.465
Bk. of N. Abut.	139+17.56	10.5	519.430	519.430

BEAM 6				
Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of S. Abut.	138+14.56	17.5	520.734	520.734
Cl. Brg. S. Abut.	138+17.06	17.5	520.699	520.699
A	138+27.06	17.5	520.559	520.584
B	138+37.06	17.5	520.419	520.464
C	138+47.06	17.5	520.279	520.338
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I	139+07.06	17.5	519.439	519.459
Cl. Brg. N. Abut.	139+15.06	17.5	519.327	519.327
Bk. of N. Abut.	139+17.56	17.5	519.292	519.292



PLAN

PBT-E 9-1-03

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**TOP OF SLAB ELEVATIONS**  
FAP RTE 609 (IL. 163) PRAIRIE DUPONT CR.  
SECTION 76-3BR  
ST. CLAIR COUNTY  
STA. 138+66.06  
S.N. 082-0305

REVISIONS	
NAME	DATE

SCALE: VERT. \_\_\_\_\_  
HORIZ. \_\_\_\_\_  
DATE: 7/26/04

DRAWN BY: LANDREY  
DESIGNED BY: WATKINS  
CHECKED BY: SANFORD

GREENE & BRADFORD, INC.  
OF SPRINGFIELD  
REGISTERED PROFESSIONAL ENGINEERS  
ILLINOIS LICENSE NO. 082-0305  
PROJECT 02076  
COMPUTER FILE NO. SMO820305.TOS  
4/28/05-MML

FILE NAME: I:\02076\drw\figs\er085\_0305\er020305\_tos.dgn  
PLOT SCALE: 1"=10'-0"  
PLOT DATE: 6/22/2005  
PLOT TIME: 10:36:01 AM  
OPERATOR: michelle