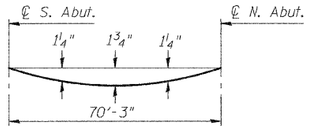
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	60-(16B, 16-1B)	MADISON	62	34
	STA. 165+71.94			
FED. ROAD DIST.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 76567

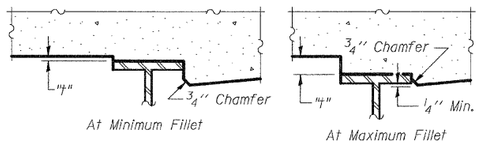
Sheet No. 3
13 Sheets



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 and on sheet 4 of 13.



To determine "t": After all structural steel has 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 Deflection" shown below and on sheet 4 of 13, minus slab thickness, equals the fillet heights "t" above top flange of beams.

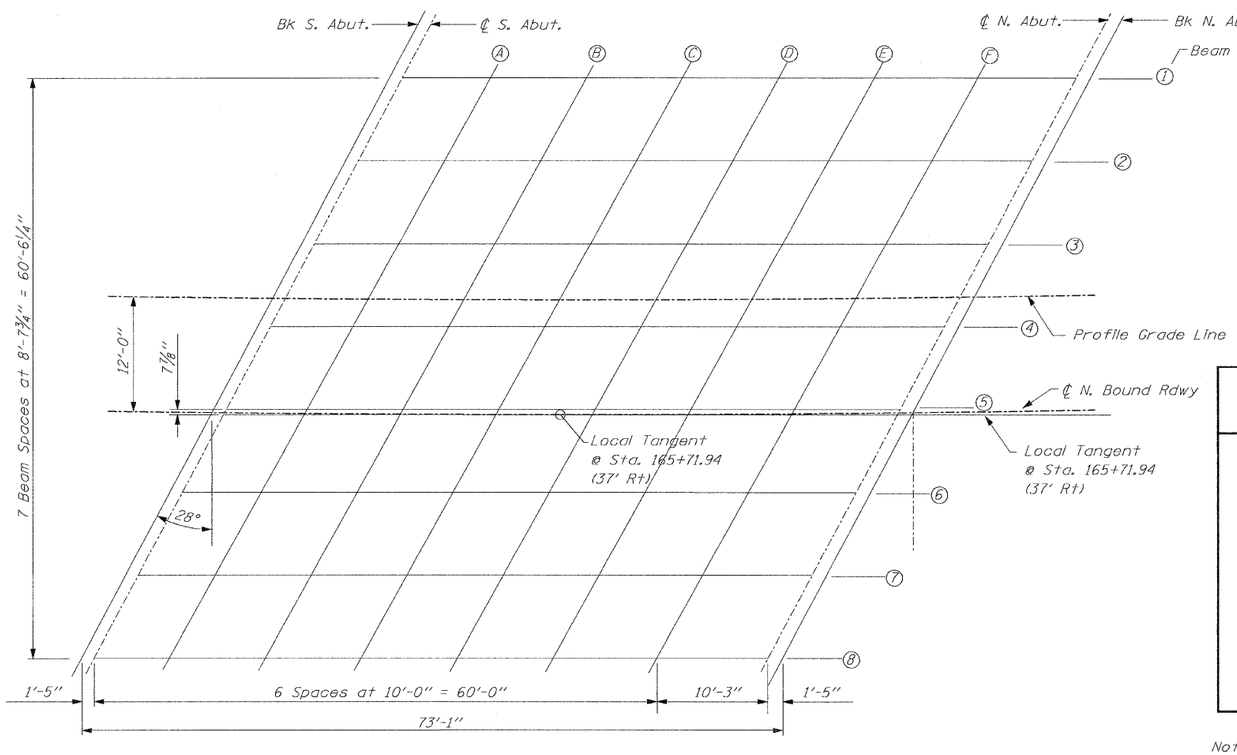
FILLET HEIGHTS

BEAM LINE 1

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	16554.127	-23.179	534.095	534.095
℄ S. Abut.	16555.542	-23.187	534.094	534.094
A	16565.535	-23.228	534.092	534.154
B	16575.528	-23.231	534.092	534.203
C	16585.522	-23.202	534.094	534.232
D	16595.515	-23.138	534.097	534.236
E	16605.507	-23.039	534.102	534.214
F	16615.499	-22.906	534.109	534.173
℄ N. Abut.	16625.757	-22.733	534.118	534.118
Bk. N. Abut.	16627.171	-22.706	534.119	534.119

BEAM LINE 2

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	16549.605	-14.501	534.546	534.546
℄ S. Abut.	16551.015	-14.512	534.545	534.545
A	16560.978	-14.567	534.543	534.605
B	16570.942	-14.588	534.541	534.652
C	16580.906	-14.574	534.542	534.680
D	16590.869	-14.526	534.545	534.684
E	16600.832	-14.443	534.549	534.661
F	16610.794	-14.326	534.555	534.619
℄ N. Abut.	16621.018	-14.170	534.563	534.563
Bk. N. Abut.	16622.428	-14.146	534.564	534.564



PLAN

BEAM LINE 3

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	16545.109	-5.817	534.998	534.998
℄ S. Abut.	16546.515	-5.830	534.997	534.997
A	16556.448	-5.900	534.993	535.055
B	16566.382	-5.937	534.991	535.102
C	16576.317	-5.939	534.991	535.129
D	16586.251	-5.906	534.993	535.132
E	16596.184	-5.840	534.996	535.108
F	16606.118	-5.739	535.002	535.066
℄ N. Abut.	16616.308	-5.600	535.009	535.009
Bk. N. Abut.	16617.714	-5.578	535.010	535.010

Notes: Work this sheet with sheet 4 of 13
Offsets referenced to Profile Grade Line

PROFILE GRADE

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	16542.112	0.000	535.300	535.300
℄ S. Abut.	16543.509	0.000	535.300	535.300
A	16553.408	0.000	535.300	535.362
B	16563.323	0.000	535.300	535.411
C	16573.237	0.000	535.300	535.438
D	16583.152	0.000	535.300	535.438
E	16593.067	0.000	535.300	535.412
F	16603.009	0.000	535.300	535.364
℄ N. Abut.	16613.246	0.000	535.300	535.300
Bk. N. Abut.	16614.661	0.000	535.300	535.300

TOP OF SLAB ELEVATIONS
FAP 310 (US 67) OVER
SOUTH BRANCH OF PIASA CREEK
SECTION 60-(16B, 16-1B)
MADISON COUNTY STA 165+71.94
SN 060-0329

DESIGNED	J.L.C.
CHECKED	R.P.B.
DRAWN	B.A.D.
CHECKED	R.P.B.

E-S 2-14-01

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