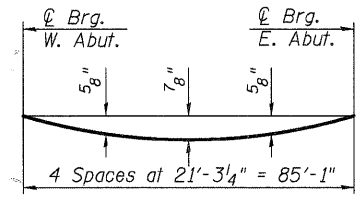


To determine "t": After all precast prestressed beams have been erected, elevations of the top flanges of the beams shall be taken at intervals shown below. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflections" shown below, minus slab thickness, equals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

**FILLET HEIGHTS**



**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 6 of 22.

**PLAN**

**BEAM 1**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of W. Abut.	440+85.74	-17.20	938.95	938.95
CL Brg. W. Abut.	440+87.00	-17.24	938.96	938.96
A	440+97.10	-17.47	938.99	939.02
B	441+07.21	-17.63	939.04	939.08
C	441+17.32	-17.74	939.08	939.14
D	441+27.43	-17.79	939.13	939.20
E	441+37.53	-17.77	939.18	939.25
F	441+47.64	-17.70	939.23	939.29
G	441+57.75	-17.56	939.29	939.33
H	441+67.85	-17.36	939.35	939.37
CL Brg. E. Abut.	441+72.98	-17.24	939.39	939.39
Bk. of E. Abut.	441+74.25	-17.20	939.40	939.40

**BEAM 2**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of W. Abut.	440+85.93	-10.20	939.35	939.35
CL Brg. W. Abut.	440+87.18	-10.24	939.36	939.36
A	440+97.25	-10.47	939.40	939.42
B	441+07.31	-10.63	939.44	939.49
C	441+17.37	-10.74	939.48	939.55
D	441+27.44	-10.79	939.53	939.60
E	441+37.50	-10.77	939.58	939.65
F	441+47.57	-10.70	939.63	939.69
G	441+57.63	-10.56	939.69	939.73
H	441+67.69	-10.36	939.75	939.77
CL Brg. E. Abut.	441+72.80	-10.24	939.79	939.79
Bk. of E. Abut.	441+74.06	-10.20	939.80	939.80

**BEAM 3**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of W. Abut.	440+86.11	-3.21	939.76	939.76
CL Brg. W. Abut.	440+87.37	-3.24	939.76	939.76
A	440+97.38	-3.47	939.80	939.82
B	441+07.40	-3.64	939.84	939.89
C	441+17.43	-3.74	939.88	939.95
D	441+27.45	-3.79	939.93	940.00
E	441+37.47	-3.77	939.98	940.05
F	441+47.49	-3.70	940.04	940.09
G	441+57.51	-3.56	940.09	940.13
H	441+67.53	-3.36	940.15	940.17
CL Brg. E. Abut.	441+72.62	-3.24	940.19	940.19
Bk. of E. Abut.	441+73.87	-3.21	940.20	940.20

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TOP OF SLAB ELEVATIONS  
STRUCTURE NO. 056-0091**

SHEET NO. 5 OF 22 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	132B-2	McHENRY	106	50
CONTRACT NO. 60I29			ILLINOIS FED. AID PROJECT	