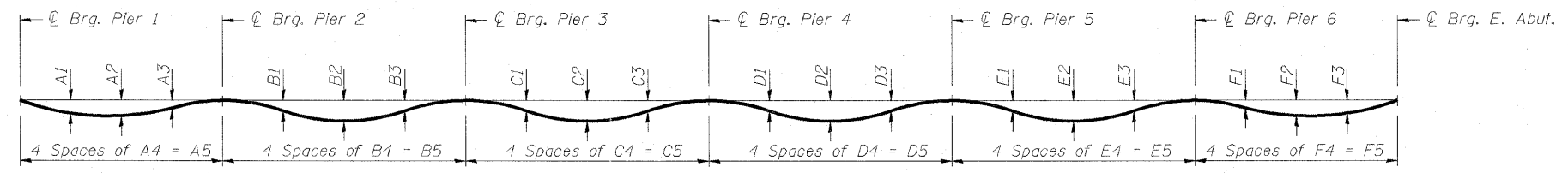


To determine "t": After all structural steel has been erected, elevations of the top flanges of the beams shall be taken at intervals shown on Sht. S-42 of S-234. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" shown on Sheets S-44 thru S-49 of S-234, minus slab thickness, equals the fillet heights "t" above top flange of beams.

**FILLET HEIGHTS**



**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 on Sheets S-44 thru S-49 of S-234.

Girder	DEAD LOAD DEFLECTIONS																													
	Span 1					Span 2					Span 3					Span 4					Span 5					Span 6				
	A1	A2	A3	A4	A5	B1	B2	B3	B4	B5	C1	C2	C3	C4	C5	D1	D2	D3	D4	D5	E1	E2	E3	E4	E5	F1	F2	F3	F4	F5
1	3/4"	1"	1/2"	30'- 8 5/8"	122'- 10 3/8"	1/2"	3/4"	1/4"	39'- 8 1/2"	158'- 9 3/4"	1 3/8"	2 1/4"	1 1/4"	46'- 11 7/8"	187'- 11 5/8"	5/8"	1 3/8"	3/4"	46'- 11 7/8"	187'- 11 5/8"	1"	1 7/8"	1 1/8"	47'- 6"	190'- 0 1/8"	1/2"	1 1/4"	1 1/8"	36'- 3"	145'- 0"
2	3/4"	7/8"	1/2"	30'- 7 1/8"	122'- 4 5/8"	1/2"	3/4"	1/4"	39'- 5 1/2"	157'- 10 1/8"	1 1/4"	2 1/8"	1 1/8"	46'- 8 1/2"	186'- 9 3/4"	5/8"	1 1/4"	5/8"	46'- 8 1/2"	186'- 9 3/4"	1"	2"	1 1/8"	47'- 6"	190'- 0"	1/2"	1 1/4"	1 1/8"	36'- 3"	145'- 0"
3	3/4"	7/8"	3/8"	30'- 5 3/4"	121'- 10 3/4"	3/8"	3/4"	1/4"	39'- 2 5/8"	156'- 10 1/2"	1 1/8"	2"	1"	46'- 5"	185'- 8"	5/8"	1 1/4"	5/8"	46'- 5"	185'- 8"	1"	2"	1 1/8"	47'- 6"	189'- 11 3/4"	1/2"	1 1/4"	1 1/8"	36'- 3"	145'- 0"
4	3/4"	7/8"	3/8"	30'- 4 1/4"	121'- 4 7/8"	3/8"	3/4"	1/4"	38'- 11 3/4"	155'- 10 3/4"	1 1/8"	1 3/4"	1"	46'- 1 1/2"	184'- 6 1/8"	1/2"	1 1/8"	5/8"	46'- 1 1/2"	184'- 6 1/8"	1 1/8"	2"	1 1/8"	47'- 5 7/8"	189'- 11 5/8"	3/8"	1 1/4"	1 1/8"	36'- 3"	145'- 0"
5	5/8"	7/8"	3/8"	30'- 2 3/4"	120'- 11"	3/8"	3/4"	1/4"	38'- 8 3/4"	154'- 11 1/8"	1"	1 3/4"	7/8"	45'- 10 1/8"	183'- 4 3/8"	1/2"	1 1/8"	1/2"	45'- 10 1/8"	183'- 4 3/8"	1 1/8"	2"	1 1/8"	47'- 5 7/8"	189'- 11 3/8"	1/2"	1 1/4"	1 1/8"	36'- 3"	145'- 0"



USER NAME =	DESIGNED - P.J.L.	REVISED -
	DRAWN - BRD	REVISED -
PLOT SCALE = 0x2 1/4" / IN.	CHECKED - KAB	REVISED -
PLOT DATE = 6/27/2011	DATE - 07-01-11	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TOP OF SLAB ELEVATIONS - S.N. 082-0324 - I  
I-70E OVER I-55, CSX & KCS RAILROADS

SCALE: SHEET S-43 OF S-234 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-1-B-2	ST. CLAIR	399	170
S.N. 082-0322 & S.N. 082-0324		CONTRACT NO. 76C76		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				