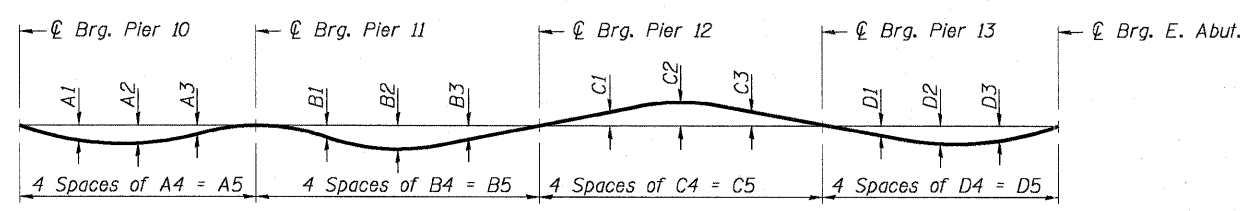


**TOP OF SLAB ELEVATION PLAN - UNIT 4**

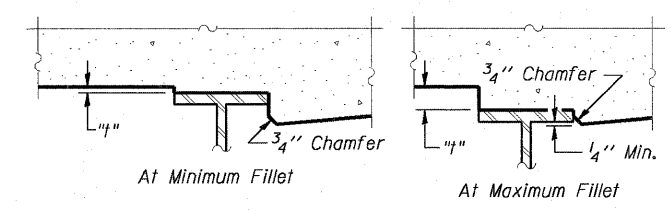


**DEAD LOAD DEFLECTION DIAGRAM**

(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-35 thru S-41 of S-234.

Girder	DEAD LOAD DEFLECTIONS																			
	Span 11					Span 12					Span 13					Span 14				
	A1	A2	A3	A4	A5	B1	B2	B3	B4	B5	C1	C2	C3	C4	C5	D1	D2	D3	D4	D5
1	1/2"	1/2"	1/8"	29'- 0 1/2"	116'- 2 1/8"	1"	1 3/4"	1 1/4"	37'- 11 5/8"	151'- 10 5/8"	- 1/4"	- 1/4"	- 1/4"	30'- 8 1/8"	122'- 8 1/2"	1 3/8"	2 3/8"	1 3/4"	35'- 11 1/2"	143'- 10"
2	3/8"	1/2"	1/8"	28'- 9 3/4"	115'- 3 1/8"	7/8"	1 5/8"	1 1/8"	37'- 8 1/8"	150'- 8 1/4"	- 1/4"	- 1/4"	- 1/4"	30'- 5 1/4"	121'- 9"	1 1/4"	2 1/8"	1 5/8"	35'- 8 1/8"	142'- 8 1/2"
3	3/8"	3/8"	1/8"	28'- 7 1/8"	114'- 4 1/4"	7/8"	1 1/2"	1"	37'- 4 1/2"	149'- 6"	- 1/4"	- 1/4"	- 1/4"	30'- 2 3/8"	120'- 9 1/2"	1 1/8"	1 7/8"	1 1/2"	35'- 4 3/4"	141'- 7"
4	3/8"	3/8"	1/8"	28'- 4 3/8"	113'- 5 3/8"	3/4"	1 3/8"	1"	37'- 1"	148'- 3 3/4"	- 1/4"	- 1/8"	- 1/4"	29'- 11 1/2"	119'- 9 7/8"	1"	1 3/4"	1 3/8"	35'- 1 3/8"	140'- 5 1/2"
5	3/8"	3/8"	1/8"	28'- 1 5/8"	112'- 6 3/8"	3/4"	1 3/8"	7/8"	36'- 9 3/8"	147'- 1 1/2"	- 1/8"	- 1/8"	- 1/8"	29'- 8 5/8"	118'- 10 3/8"	7/8"	1 5/8"	1 1/4"	34'- 10"	139'- 3 7/8"
6	3/8"	3/8"	1/8"	27'- 10 7/8"	111'- 7 1/2"	5/8"	1 1/4"	7/8"	36'- 5 7/8"	145'- 11 1/4"	- 1/8"	0"	- 1/8"	29'- 5 3/4"	117'- 10 7/8"	7/8"	1 1/2"	1 1/8"	34'- 6 5/8"	138'- 2 3/8"



To determine "1": After all structural steel has been erected, elevations of the top flanges of the beams shall be taken at intervals shown above. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" shown on Sheets S-35 thru S-41 of S-234, minus slab thickness, equals the fillet heights "1" above top flange of beams.

**FILLET HEIGHTS**



USER NAME =	DESIGNED - PUL	REVISED -
DESIGNED - PUL	DRAWN - BRD	REVISED -
PLOT SCALE = 0.02, 0.000 1" = 20'	CHECKED - KAB	REVISED -
PLOT DATE = 6/27/2011	DATE - 07-01-11	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TOP OF SLAB ELEVATION PLAN - UNIT 4  
I-70E OVER I-55, CSX & KCS RAILROADS

SCALE: SHEET S-34 OF S-234 SHEETS STA. TO STA.

F.A.I. RTE. TO	SECTION 82-1-B-2	COUNTY ST. CLAIR	TOTAL SHEETS 399	SHEET NO. 161
S.N. 082-0322 & S.N. 082-0324		CONTRACT NO. 76C76		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				