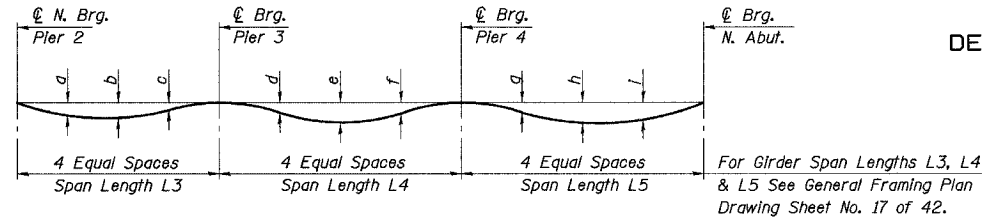


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 4
F. A. I. 80/94	*	COOK	90	19	42 SHEETS
FEL. ROAD DIST. NO. 1	ILLINOIS	FEL. AID PROJECT-			
* 2004-133F			CONTRACT NO. 62898		



**DEAD LOAD DEFLECTION DIAGRAM**  
(Includes weight of slab & parapet-no future wearing surface)

**DEAD LOAD DEFLECTION TABLE**

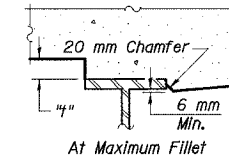
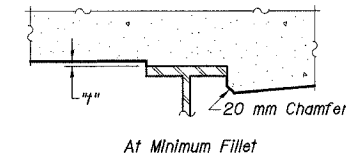
Girder No.	Deflection	Span 3 (L3)			Span 4 (L4)			Span 5 (L5)		
		a	b	c	d	e	f	g	h	i
1		21	23	8	28	50	27	10	26	25
2		21	24	9	23	46	26	11	29	27
3 **		19	21	8	3	8	14	-	-	-
4		22	25	10	23	47	28	6	19	20
5 **		24	26	9	31	56	33	-2	3	11
6		23	25	8	36	64	38	2	15	17
7		24	25	9	33	61	34	7	22	22
8		22	25	10	23	46	26	12	30	28
9 **		20	23	8	2	8	14	-	-	-
10		24	26	11	22	46	26	12	30	28
11		25	27	10	31	58	32	11	29	28
12		22	24	8	30	54	30	9	26	24

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 in the "Top of Slab Elevations" tables. All offsets shown in the "Top of Slab Elevations" tables are in meters.

\*\* Last span for G3, G5 & G9 is from Pier 3 or Pier 4 to Head Beam.

**END OF SPAN DIMENSIONS**  
(Values in Meters)

Location	D1	D2	D3
Girder 1	2.743	2.635	3.393
Girder 2	2.743	2.643	3.411
Girder 3 **	2.944	2.318	-
Girder 4	3.154	2.960	3.302
Girder 5 **	3.154	3.091	1.567
Girder 6	3.154	3.240	3.900
Girder 7	3.154	3.300	4.045
Girder 8	3.154	3.303	4.050
Girder 9 **	3.381	2.467	-
Girder 10	3.617	3.666	3.891
Girder 11	3.617	3.680	3.920
Girder 12	3.617	3.692	3.948
@ SB IL 394 & PGL	3.617	3.584	4.052

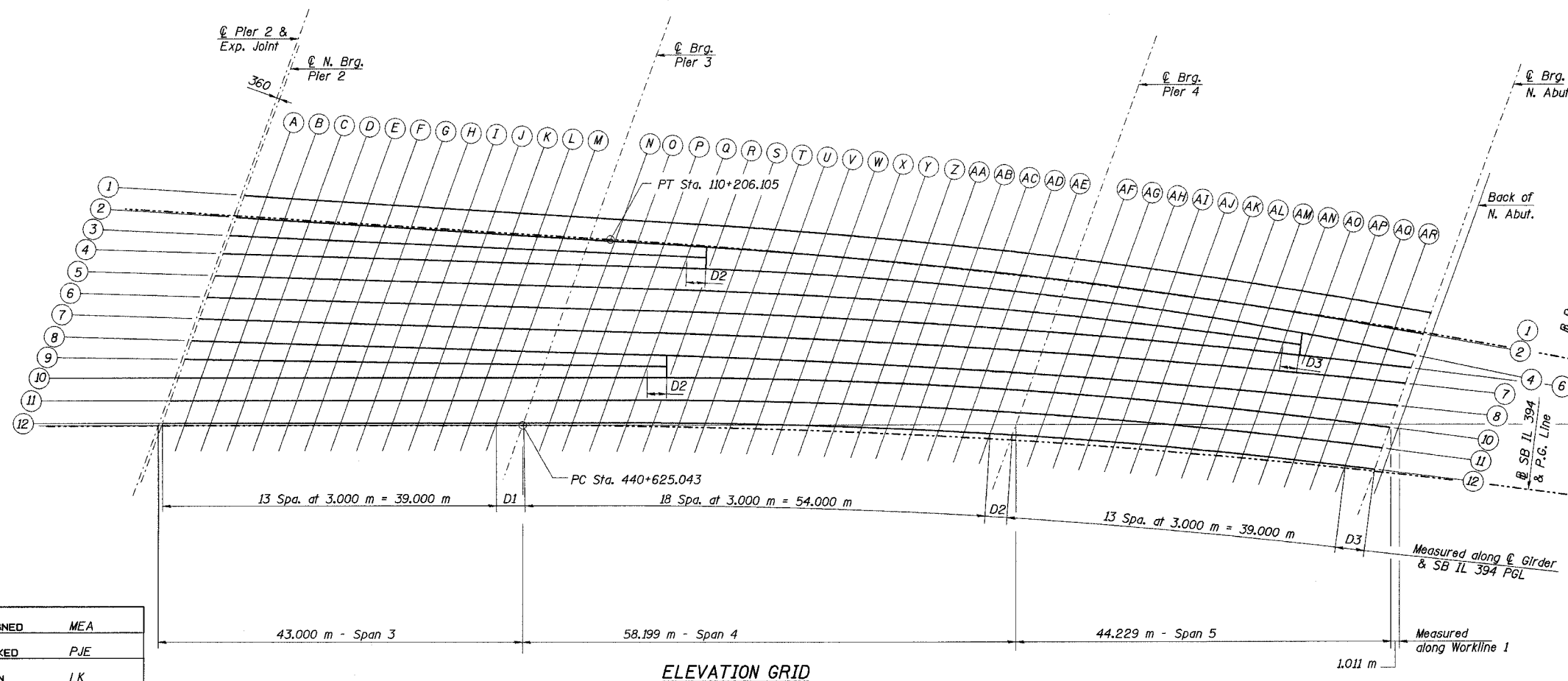


To determine "t": After all structural steel has been erected, elevations of the top flanges of the girders shall be taken at intervals shown in the elevation tables. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" shown, minus slab thickness, equals the fillet heights "t" above top flange of girders.

**FILLET HEIGHTS**

Notes:

1. Work this sheet with Sheet Nos. 5 - 9 of 42.
2. For Girder Framing Layout see Sheets Nos. 17, 19 21 & 23 of 42.
3. All dimensions are in millimeters (mm) unless otherwise noted.



**THIS SHEET FOR INFORMATION ONLY**

ILLINOIS DEPARTMENT OF TRANSPORTATION  
I-94 EAST BOUND / IL 394 SOUTH BOUND  
**TOP OF SLAB ELEVATIONS,  
GRID & DETAILS, SPANS 3-5 - UNIT 1**  
SB IL ROUTE 394 OVER THORN CREEK  
F.A.P. 332 SECTION 2004-133F  
COOK COUNTY  
STA. 440+704.350 STRUCTURE NO. 016-2800  
DATE 05/16/05  
SCALE ---

**HNTB**

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DESIGNED	MEA
CHECKED	PJE
DRAWN	LK
CHECKED	PJE