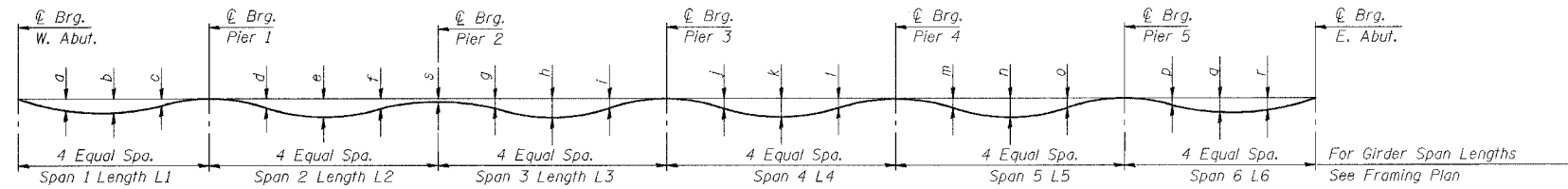
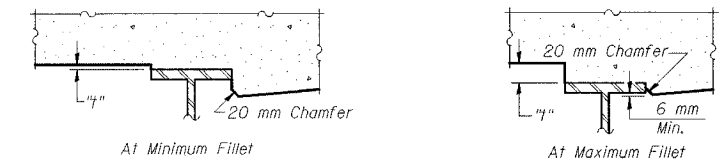


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO. F. A. I. 80/94	SECTION *	COUNTY COOK	TOTAL SHEETS 90	SHEET NO. 61	SHEET NO. 4 21 SHEETS
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT	CONTRACT NO. 62896		



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



To determine "f": 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 "f" above top flange of girders.

DEAD LOAD DEFLECTION TABLE

(Values in Millimeters)

Girder No.	Deflection	Span 1 (L1)			Span 2 (L2)			Pier 2	Span 3 (L3)			Span 4 (L4)			Span 5 (L5)			Span 6 (L6)		
		a	b	c	d	e	f		g	h	i	j	k	l	m	n	o	p	q	r
1		10	11	4	18	29	17	4	17	29	17	7	15	9	10	17	9	9	19	16
2		11	12	5	19	31	18	3	17	30	19	8	16	10	11	18	10	10	21	18
3		11	13	5	20	32	17	1	17	32	20	9	17	10	11	19	10	11	23	19
4		12	13	5	20	33	18	1	18	33	20	9	18	10	12	20	11	12	23	19
5		12	13	5	21	33	19	3	18	33	20	9	18	10	12	20	11	12	24	20
6		12	13	5	21	34	19	3	19	33	20	9	18	10	12	20	10	12	24	20

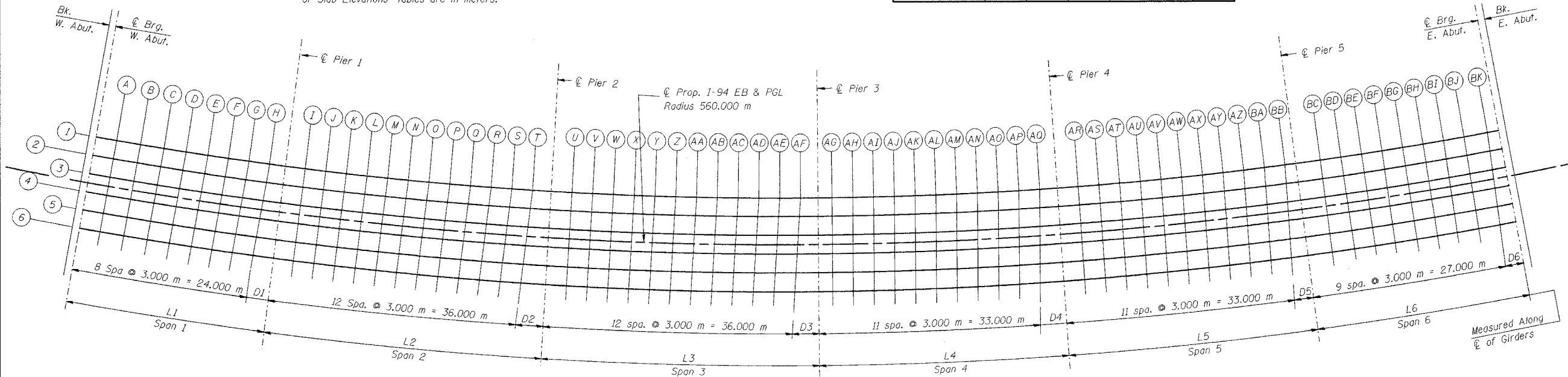
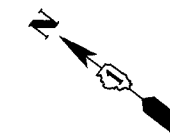
Note: The above deflections are not to be used in the field if the engineer is working from the grade elevations adjusted for dead load deflections as shown in the "Top of Slab Elevations" tables. All offsets shown in the "Top of Slab Elevations" tables are in meters.

END OF SPAN DIMENSIONS

(Values in Meters)

Girder	D1	D2	D3	D4	D5	D6
1	3.665	2.533	2.533	1.581	1.581	2.641
2	3.799	2.720	2.720	1.748	1.748	2.784
3	3.933	2.907	2.907	1.916	1.916	2.928
4	4.067	3.093	3.093	2.084	2.084	3.072
5	4.021	3.280	3.280	2.251	2.251	3.215
6	4.335	3.467	3.467	2.419	2.419	3.359

FILLET HEIGHTS



ELEVATION GRID

- Notes:
1. Work this sheet with Sheet Nos. 5, 6 & 7 of 21 sheets.
 2. All dimensions are in millimeters (mm) unless otherwise noted.

DESIGNED	R.A.
CHECKED	M.R.
DRAWN	R.A.
CHECKED	M.R. / H.T.

**THIS SHEET FOR
INFORMATION ONLY**

ILLINOIS DEPARTMENT OF TRANSPORTATION
I-94 EAST BOUND / IL 394 SOUTH BOUND
TOP OF SLAB ELEVATION GRID
EB I-94 OVER THORN CREEK
F.A.I. 94 SECTION 2004-133F
COOK COUNTY
STA. 20+809.000 STRUCTURE NO. 016-2807
DATE: 05/16/05
SCALE: NTS
Soodan
Soodan & Associates, Inc.
100 North LaSalle Street, Suite 1800
Chicago, Illinois 60602

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