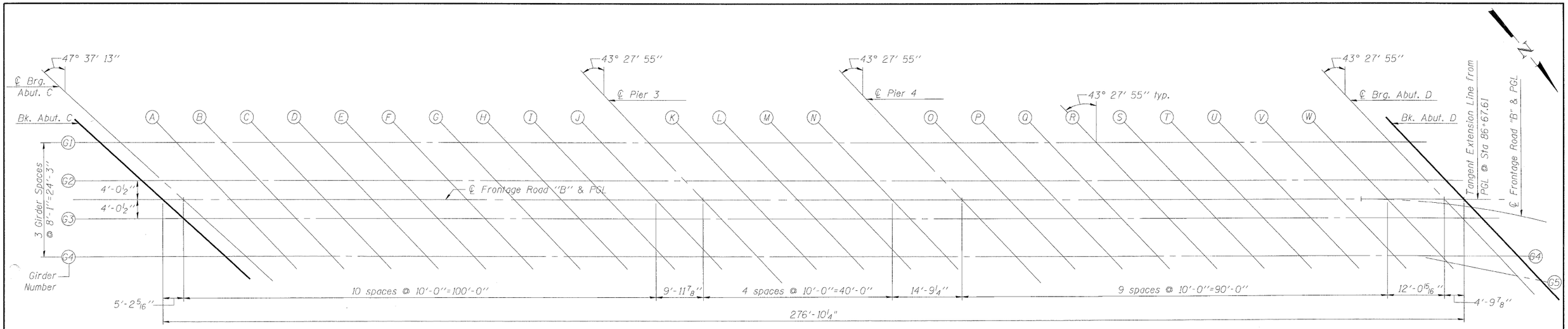
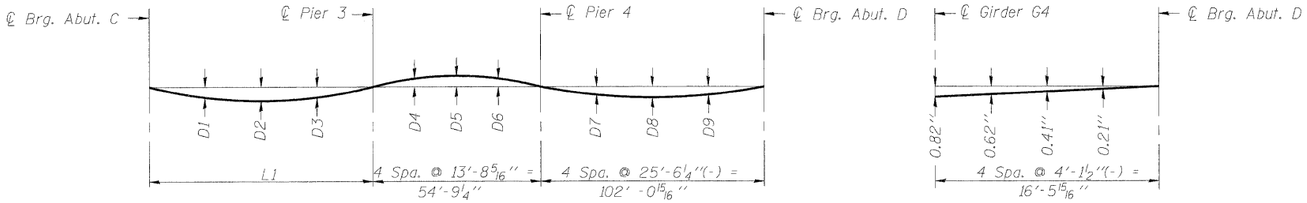


PLAN



DEAD LOAD DEFLECTION DIAGRAM
(Girders G1 thru G4)

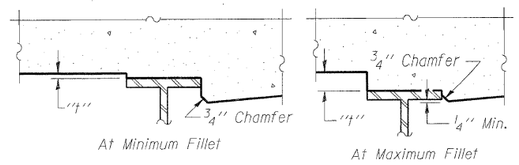
(Includes weight of concrete only)

DEAD LOAD DEFLECTION DIAGRAM
(Girder G5)

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 shown on Sheet No. SB4.

DEFLECTION TABLE

Girder No.	L1	D1	D2	D3	D4	D5	D6	D7	D8	D9
G1	4 Spa. @ 27′-11 5/16″(+) = 111′-9 3/8″	2.04″	2.66″	1.64″	0.41″	0.50″	0.38″	1.19″	1.93″	1.47″
G2	4 Spa. @ 27′-7 3/4″(+) = 110′-7 1/16″	1.95″	2.56″	1.56″	0.40″	0.49″	0.37″	1.19″	1.92″	1.47″
G3	4 Spa. @ 27′-1 3/16″(-) = 109′-4 11/16″	1.88″	2.46″	1.50″	0.39″	0.48″	0.37″	1.20″	1.92″	1.47″
G4	4 Spa. @ 27′-0 9/16″(+) = 108′-2 5/16″	1.84″	2.41″	1.49″	0.39″	0.49″	0.37″	1.26″	2.04″	1.57″



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 table on Sheet No. SB4. These elevations, subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" shown on Sheet No. SB4, minus slab thickness, equals the fillet heights "t" above top flange of girders.

FILLET HEIGHTS

Exterior girder shown, interior girder similar.
See Section A-A on Sheet No. SB10.

NOTES:

1. *The concrete for bridge decks finished according to Article 503.16(a) of the Standard Specifications shall be placed and compacted parallel to the skew in uniform increments along centerline of bridge. The machine used for finishing shall be set parallel to the skew for striking off and screeding the concrete.*

FILE NAME = 0161093-SB03.dgn

JE JACOBS

PLOT DATE = 1/12/2009

DESIGNED - LSD	REVISED -	
DRAWN - JJN	REVISED -	
CHECKED - TNS	REVISED -	
DATE - 1/13/09	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF SLAB ELEVATIONS I
F.A.P. 392 FRANKLIN CONNECTOR (AT I-55 FRONTAGE ROAD B)
STRUCTURE NO. 016-1093

SCALE: NTS | SHEET NO. SB3 OF SB24 SHEETS | STA. 85+60.68

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
392	1717-2-3B-R	COOK	114	81
		CONTRACT NO. 62197		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		