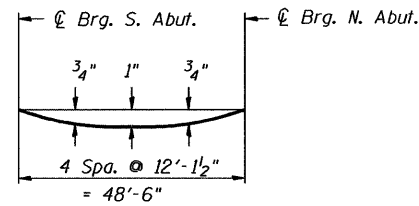


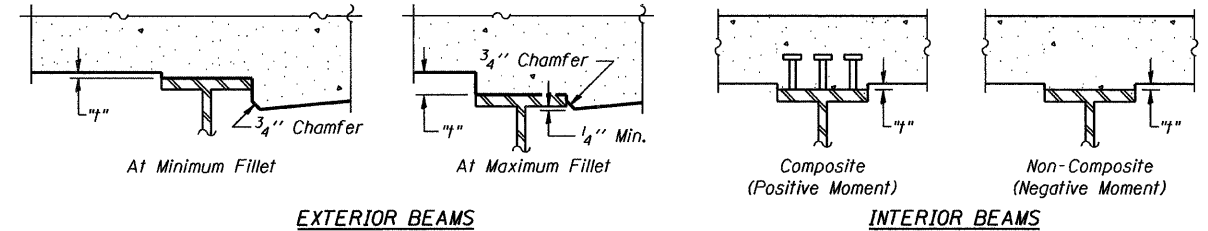
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



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 SB5 and SB6.



EXTERIOR BEAMS

INTERIOR BEAMS

To determine "f": After all structural steel has been erected, elevations of the top flanges of the beams shall be taken at intervals shown below. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" shown on Sheets SB5 and SB6, minus slab thickness, equals the fillet heights "f" above top flange of beams.

FILLET HEIGHTS

BEAM 1

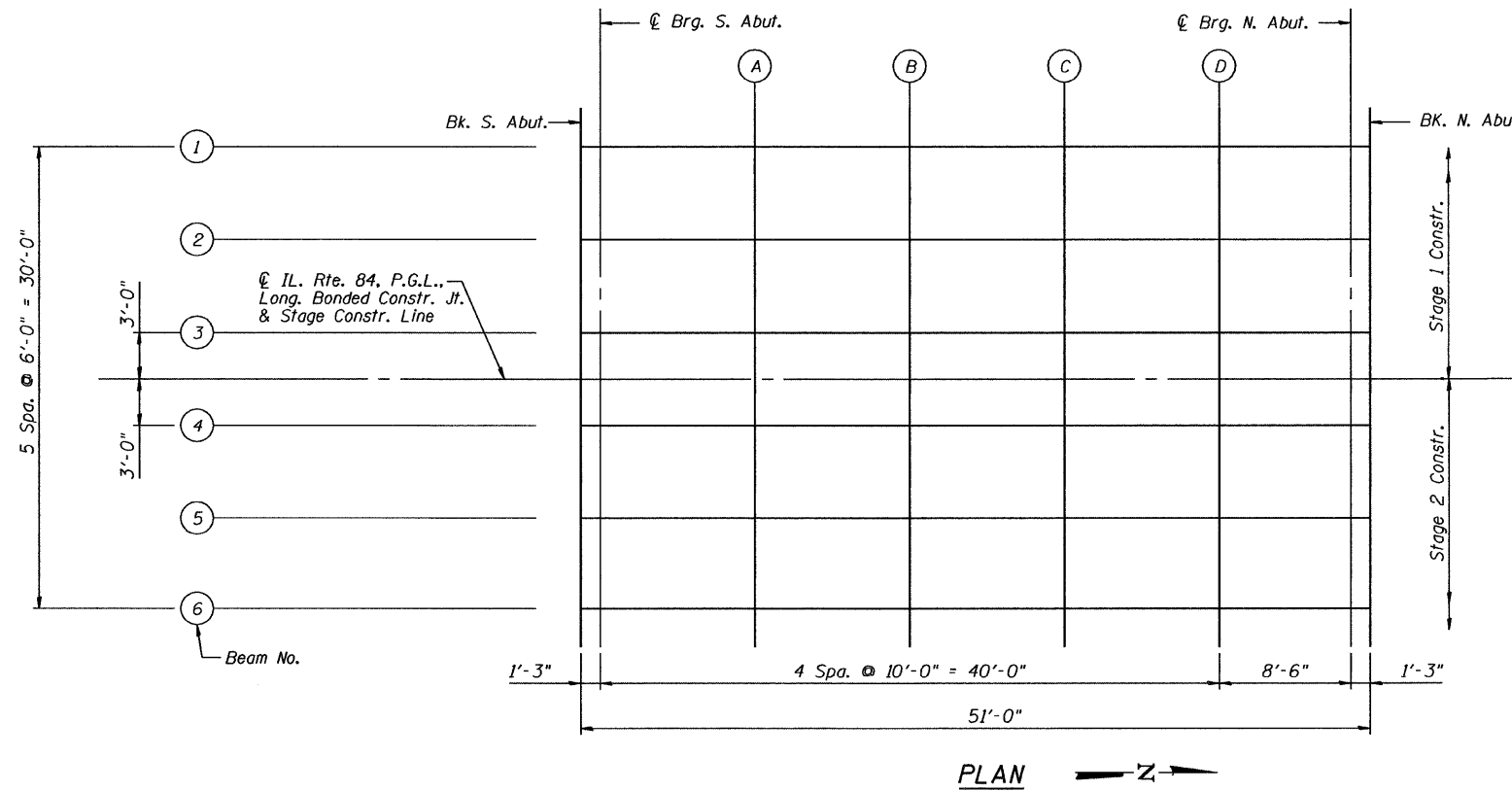
Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
BK. S. Abut.	336+16.50	-15.000	630.42	630.42
CL. BRG. S. Abut.	336+17.75	-15.000	630.43	630.43
A	336+27.75	-15.000	630.47	630.52
B	336+37.75	-15.000	630.50	630.58
C	336+47.75	-15.000	630.52	630.60
D	336+57.75	-15.000	630.53	630.58
CL. BRG. N. Abut.	336+66.25	-15.000	630.53	630.53
BK. N. Abut.	336+67.50	-15.000	630.53	630.53

BEAM 2

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
BK. S. Abut.	336+16.50	-9.000	630.53	630.53
CL. BRG. S. Abut.	336+17.75	-9.000	630.54	630.54
A	336+27.75	-9.000	630.58	630.63
B	336+37.75	-9.000	630.61	630.69
C	336+47.75	-9.000	630.63	630.71
D	336+57.75	-9.000	630.64	630.69
CL. BRG. N. Abut.	336+66.25	-9.000	630.64	630.64
BK. N. Abut.	336+67.50	-9.000	630.64	630.64

BEAM 3

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
BK. S. Abut.	336+16.50	-3.000	630.62	630.62
CL. BRG. S. Abut.	336+17.75	-3.000	630.63	630.63
A	336+27.75	-3.000	630.67	630.72
B	336+37.75	-3.000	630.70	630.78
C	336+47.75	-3.000	630.72	630.80
D	336+57.75	-3.000	630.73	630.78
CL. BRG. N. Abut.	336+66.25	-3.000	630.74	630.74
BK. N. Abut.	336+67.50	-3.000	630.74	630.74



TOP OF DECK SLAB ELEVATIONS I					
Illinois Rte. 84 Over Duke Creek					
STATION 336+42.00			STRUCTURE NO. 043-0079		
SHEET NO.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SB5 OF 23	308	103BR-3	JO DAVIESS	126	66
SHEETS					
CONTRACT NO. 64B26					
10-15-2010			ILLINOIS FED. AID PROJECT		

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 10/12/2010

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CHECKED	J.A.Z.
DRAWN	R.B.H.
CHECKED	J.A.Z.

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