BEAM 1

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of W. Abut.	45+21.50	-16.66	408.42	408.42
℄ Brg. W. Abut.	45+22.88	-16.66	408.40	408.40
C	45+32.90	-16.70	408.23	408.30
D	45+42.91	-16.73	408.06	408.18
E	45+52.93	-16.74	407.89	408.04
F	45+62.94	-16.75	407.73	407.88
G	45+72.96	-16.75	407.56	407.68
H	45+82.98	-16.74	407.39	407.46
℄ Brg. E. Abut.	45+93.23	-16.71	407.22	407.22
Bk. of E. Abut.	45+94.62	-16.71	407.19	407.19

BEAM 2

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of W. Abut.	45+24.64	-10.00	408.50	408.50
℄ Brg. W. Abut.	45+26.02	-10.01	408.48	408.48
C	45+36.03	-10.04	408.31	408.38
D	45+46.04	-10.07	408.14	408.26
E	45+56.05	-10.08	407.97	408.12
F	45+66.06	-10.08	407.80	407.95
G	45+76.07	-10.08	407.63	407.76
H	45+86.08	-10.06	407.47	407.54
℄ Brg. E. Abut.	45+96.33	-10.04	407.29	407.29
Bk. of E. Abut.	45+97.71	-10.04	407.27	407.27

BEAM 3

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of W. Abut.	45+27.78	-3.35	408.55	408.55
℄ Brg. W. Abut.	45+29.15	-3.35	408.53	408.53
C	45+39.16	-3.38	408.36	408.43
D	45+49.16	-3.40	408.19	408.31
E	45+59.16	-3.41	408.02	408.17
F	45+69.17	-3.42	407.85	408.00
G	45+79.17	-3.41	407.69	407.81
H	45+89.17	-3.39	407.52	407.59
℄ Brg. E. Abut.	45+99.42	-3.36	407.35	407.35
Bk. of E. Abut.	46+00.80	-3.36	407.32	407.32

BEAM 4

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of W. Abut.	45+30.91	3.31	408.50	408.50
℄ Brg. W. Abut.	45+32.29	3.30	408.48	408.48
C	45+42.28	3.28	408.31	408.38
D	45+52.28	3.26	408.14	408.26
E	45+62.28	3.25	407.97	408.12
F	45+72.27	3.25	407.81	407.95
G	45+82.27	3.26	407.64	407.76
H	45+92.27	3.28	407.47	407.54
℄ Brg. E. Abut.	46+02.51	3.31	407.30	407.30
Bk. of E. Abut.	46+03.88	3.32	407.27	407.27

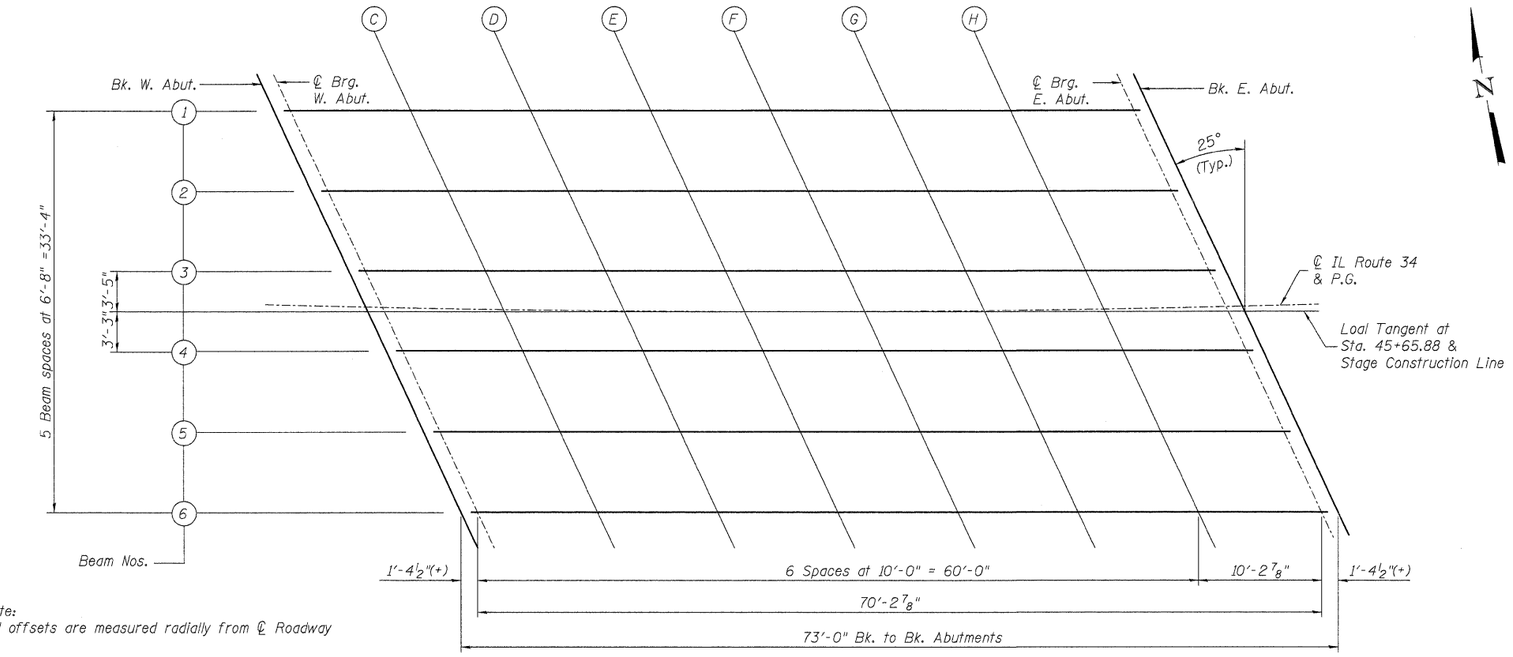
BEAM 5

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of W. Abut.	45+34.03	9.97	408.34	408.34
℄ Brg. W. Abut.	45+35.41	9.96	408.32	408.32
C	45+45.40	9.94	408.15	408.22
D	45+55.39	9.92	407.98	408.10
E	45+65.38	9.92	407.82	407.97
F	45+75.37	9.92	407.65	407.80
G	45+85.37	9.94	407.48	407.60
H	45+95.36	9.96	407.31	407.38
℄ Brg. E. Abut.	46+05.59	9.99	407.14	407.14
Bk. of E. Abut.	46+06.97	10.00	407.12	407.12

BEAM 6

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of W. Abut.	45+37.16	16.62	408.16	408.16
℄ Brg. W. Abut.	45+38.54	16.62	408.14	408.14
C	45+48.52	16.60	407.97	408.04
D	45+58.50	16.59	407.80	407.92
E	45+68.49	16.58	407.64	407.79
F	45+78.47	16.59	407.47	407.62
G	45+88.46	16.61	407.30	407.42
H	45+98.44	16.63	407.13	407.20
℄ Brg. E. Abut.	46+08.67	16.67	406.96	406.96
Bk. of E. Abut.	46+10.04	16.68	406.94	406.94

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



PLAN

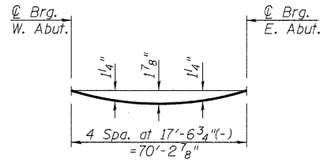
Note:
All offsets are measured radially from ℄ Roadway

℄ ROADWAY & P.G.

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of W. Abut.	45+29.35	0.00	408.58	408.58
℄ Brg. W. Abut.	45+30.73	0.00	408.55	408.55
C	45+40.75	0.00	408.39	408.45
D	45+50.75	0.00	408.22	408.34
E	45+60.76	0.00	408.05	408.20
F	45+70.76	0.00	407.88	408.03
G	45+80.75	0.00	407.71	407.83
H	45+90.75	0.00	407.55	407.62
℄ Brg. E. Abut.	46+00.97	0.00	407.37	407.37
Bk. of E. Abut.	46+02.35	0.00	407.35	407.35

LOCAL TANGENT & STAGE CONSTRUCTION LINE

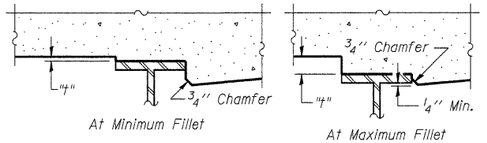
Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of W. Abut.	45+29.38	0.06	408.58	408.58
℄ Brg. W. Abut.	45+30.76	0.06	408.55	408.55
C	45+40.76	0.03	408.38	408.45
D	45+50.76	0.01	408.22	408.34
E	45+60.76	0.00	408.05	408.20
F	45+70.76	0.00	407.88	408.03
G	45+80.76	0.01	407.71	407.83
H	45+90.76	0.03	407.54	407.62
℄ Brg. E. Abut.	46+01.00	0.06	407.37	407.37
Bk. of E. Abut.	46+02.38	0.06	407.35	407.35



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 "Theoretical Grade Elevations Adjusted for Dead Load Deflection" as shown on this sheet.



To determine "t": 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 above, minus slab thickness, equals the fillet heights "t" above top flange of beams.

FILLET HEIGHTS

TOP OF SLAB ELEVATIONS STRUCTURE NO. 028-0084

LIN ENGINEERING, LTD.
Consulting Engineers
Chatham, Illinois

Designed By: ESH | Checked By: MTH | Drawn By: TBP
Date: 2/2009 | File: 028-0084.dgn

SHEET NO. 5
17 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
869	101B-1	FRANKLIN	40	20
		CONTRACT NO. 78086		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		