STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BEAM 1

Location	Station	Offset (ft)	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of W. Abut.	239+51.16	-15.00	392.68	392.68
℄ Brg. W. Abut.	239+52.61	-15.00	392.68	392.68
C	239+62.61	-15.00	392.70	392.81
D	239+72.61	-15.00	392.72	382.91
E	239+82.61	-15.00	392.72	392.97
F	239+92.61	-15.00	392.72	393.00
G	240+02.61	-15.00	392.72	392.98
H	240+12.61	-15.00	392.71	392.91
I	240+22.61	-15.00	392.69	392.81
℄ Brg. E. Abut.	240+34.71	-15.00	392.65	392.65
Bk. of E. Abut.	240+36.16	-15.00	392.65	392.65

BEAM 2

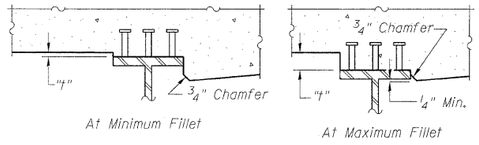
Location	Station	Offset (ft)	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of W. Abut.	239+47.70	-9.00	392.78	392.78
℄ Brg. W. Abut.	239+49.14	-9.00	392.78	392.78
C	239+59.14	-9.00	392.80	392.91
D	239+69.14	-9.00	392.82	393.01
E	239+79.14	-9.00	392.83	393.08
F	239+89.14	-9.00	392.83	393.11
G	239+99.14	-9.00	392.83	393.09
H	240+09.14	-9.00	392.82	393.03
I	240+19.14	-9.00	392.80	392.93
℄ Brg. E. Abut.	240+31.25	-9.00	392.77	392.77
Bk. of E. Abut.	240+32.70	-9.00	392.77	392.77

BEAM 3

Location	Station	Offset (ft)	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of W. Abut.	239+44.23	-3.00	392.86	392.86
℄ Brg. W. Abut.	239+45.68	-3.00	392.87	392.87
C	239+55.68	-3.00	392.89	393.00
D	239+65.68	-3.00	392.91	393.10
E	239+75.68	-3.00	392.92	393.17
F	239+85.68	-3.00	392.93	393.20
G	239+95.68	-3.00	392.93	393.18
H	240+05.68	-3.00	392.92	393.12
I	240+15.68	-3.00	392.90	393.03
℄ Brg. E. Abut.	240+27.78	-3.00	392.88	392.88
Bk. of E. Abut.	240+29.23	-3.00	392.87	392.87

STAGE CONSTRUCTION LINE

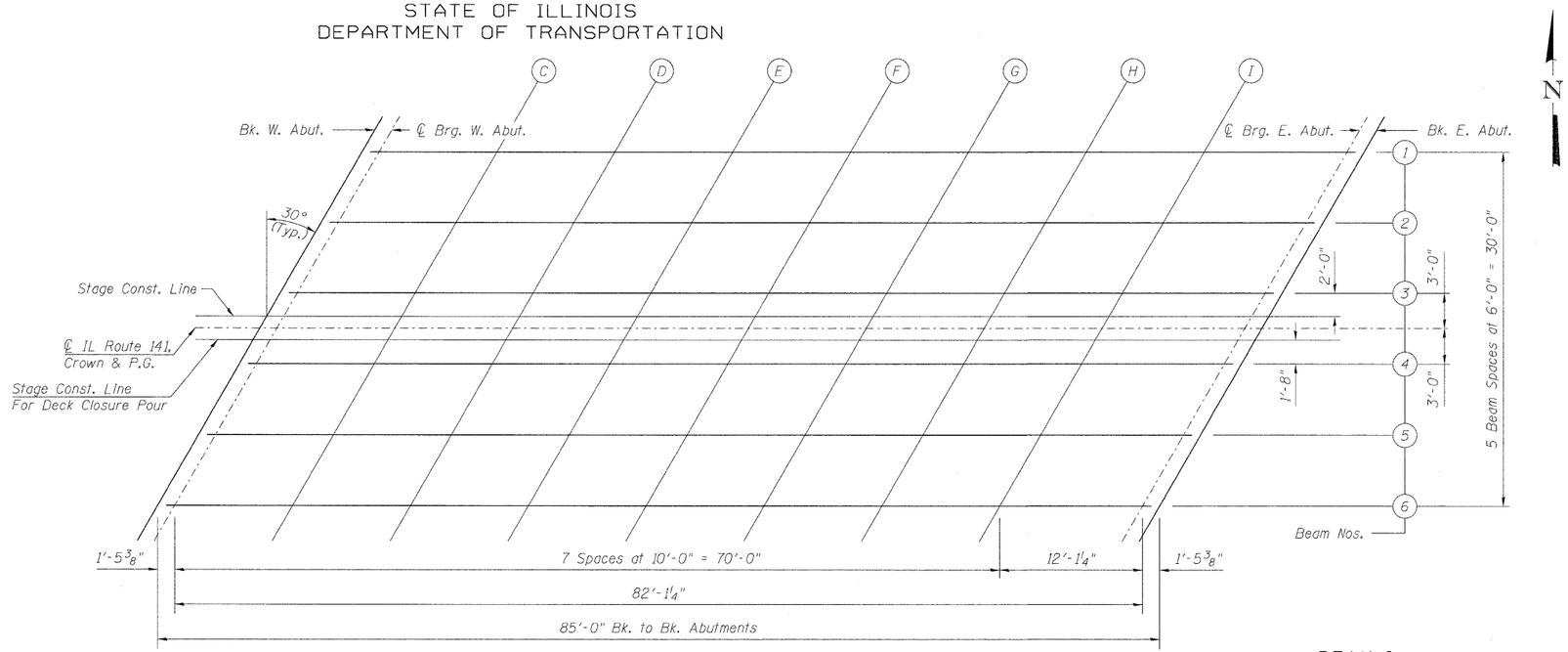
Location	Station	Offset (ft)	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of W. Abut.	239+43.08	-1.00	392.89	392.89
℄ Brg. W. Abut.	239+44.53	-1.00	392.89	392.89
C	239+54.53	-1.00	392.92	393.03
D	239+64.53	-1.00	392.94	393.13
E	239+74.53	-1.00	392.95	393.20
F	239+84.53	-1.00	392.96	393.23
G	239+94.53	-1.00	392.96	393.22
H	240+04.53	-1.00	392.95	393.16
I	240+14.53	-1.00	392.94	393.06
℄ Brg. E. Abut.	240+26.63	-1.00	392.91	392.91
Bk. of E. Abut.	240+28.08	-1.00	392.91	392.91



At Minimum Fillet — At Maximum Fillet

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



PLAN

℄ ROADWAY, CROWN & P.G.

Location	Station	Offset (ft)	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of W. Abut.	239+42.50	0.00	392.90	392.90
℄ Brg. W. Abut.	239+43.95	0.00	392.91	392.91
C	239+53.95	0.00	392.93	393.04
D	239+63.95	0.00	392.95	393.14
E	239+73.95	0.00	392.97	393.22
F	239+83.95	0.00	392.97	393.25
G	239+93.95	0.00	392.97	393.23
H	240+03.95	0.00	392.97	393.17
I	240+13.95	0.00	392.95	393.08
℄ Brg. E. Abut.	240+26.05	0.00	392.93	392.93
Bk. of E. Abut.	240+27.50	0.00	392.92	392.92

STAGE CONSTRUCTION LINE FOR DECK CLOSURE POUR

Location	Station	Offset (ft)	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of W. Abut.	239+41.73	1.33	392.88	392.88
℄ Brg. W. Abut.	239+43.18	1.33	392.88	392.88
C	239+53.18	1.33	392.91	393.02
D	239+63.18	1.33	392.93	393.12
E	239+73.18	1.33	392.95	393.20
F	239+83.18	1.33	392.95	393.23
G	239+93.18	1.33	392.95	393.21
H	240+03.18	1.33	392.95	393.15
I	240+13.18	1.33	392.93	393.06
℄ Brg. E. Abut.	240+25.28	1.33	392.91	392.91
Bk. of E. Abut.	240+26.73	1.33	392.91	392.91

BEAM 4

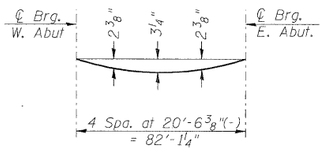
Location	Station	Offset (ft)	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of W. Abut.	239+40.77	3.00	392.85	392.85
℄ Brg. W. Abut.	239+42.22	3.00	392.86	392.86
C	239+52.22	3.00	392.88	392.99
D	239+62.22	3.00	392.90	393.09
E	239+72.22	3.00	392.92	393.17
F	239+82.22	3.00	392.93	393.20
G	239+92.22	3.00	392.93	393.19
H	240+02.22	3.00	392.92	393.13
I	240+12.22	3.00	392.91	393.04
℄ Brg. E. Abut.	240+24.32	3.00	392.89	392.89
Bk. of E. Abut.	240+25.77	3.00	392.88	392.88

BEAM 5

Location	Station	Offset (ft)	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of W. Abut.	239+37.30	9.00	392.75	392.75
℄ Brg. W. Abut.	239+38.75	9.00	392.75	392.75
C	239+48.75	9.00	392.78	392.89
D	239+58.75	9.00	392.80	392.99
E	239+68.75	9.00	392.82	393.07
F	239+78.75	9.00	392.83	393.10
G	239+88.75	9.00	392.83	393.09
H	239+98.75	9.00	392.83	393.04
I	240+08.75	9.00	392.82	392.95
℄ Brg. E. Abut.	240+20.86	9.00	392.80	392.80
Bk. of E. Abut.	240+22.30	9.00	392.80	392.80

BEAM 6

Location	Station	Offset (ft)	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of W. Abut.	239+33.84	15.00	392.62	392.62
℄ Brg. W. Abut.	239+35.29	15.00	392.63	392.63
C	239+45.29	15.00	392.66	392.77
D	239+55.29	15.00	392.69	392.88
E	239+65.29	15.00	392.71	392.96
F	239+75.29	15.00	392.72	392.99
G	239+85.29	15.00	392.72	392.98
H	239+95.29	15.00	392.72	392.93
I	240+05.29	15.00	392.71	392.84
℄ Brg. E. Abut.	240+17.39	15.00	392.70	392.70
Bk. of E. Abut.	240+18.84	15.00	392.69	392.69



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.

DECK ELEVATIONS
STRUCTURE NO. 097-0073

LIN ENGINEERING, LTD.
Consulting Engineers
Chatham, Illinois

Designed By: SGL | Checked By: ESH | Drawn By: SGL
Date: 3/2009 | File: 097-0073.dgn

SHEET NO. 5
17 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
877	101B-1	WHITE	42	20
		CONTRACT NO. 78084		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		