BEAM 1

Location	Station	Offset (ft)	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of W. Abut.	76+43.60	-14.89	387.20	387.20
℄ Brg. W. Abut.	76+44.86	-14.88	387.20	387.20
C	76+54.81	-14.77	387.25	387.32
D	76+64.76	-14.71	387.30	387.42
E	76+74.71	-14.67	387.35	387.49
F	76+84.66	-14.67	387.40	387.53
G	76+94.61	-14.70	387.45	387.55
H	77+04.56	-14.77	387.50	387.54
℄ Brg. E. Abut.	77+09.99	-14.82	387.53	387.53
Bk. of E. Abut.	77+11.26	-14.83	387.53	387.53

BEAM 2

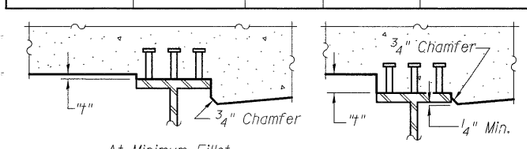
Location	Station	Offset (ft)	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of W. Abut.	76+44.56	-8.96	386.97	386.97
℄ Brg. W. Abut.	76+45.83	-8.95	386.98	386.98
C	76+55.80	-8.85	387.02	387.09
D	76+65.77	-8.78	387.07	387.19
E	76+75.74	-8.75	387.12	387.26
F	76+85.71	-8.76	387.17	387.30
G	76+95.68	-8.79	387.22	387.32
H	77+05.65	-8.86	387.27	387.31
℄ Brg. E. Abut.	77+11.09	-8.91	387.30	387.30
Bk. of E. Abut.	77+12.36	-8.93	387.31	387.31

BEAM 3

Location	Station	Offset (ft)	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of W. Abut.	76+45.53	-3.03	386.75	386.75
℄ Brg. W. Abut.	76+46.80	-3.02	386.75	386.75
C	76+56.79	-2.92	386.80	386.87
D	76+66.78	-2.86	386.85	386.97
E	76+76.77	-2.84	386.89	387.03
F	76+86.76	-2.84	386.94	387.07
G	76+96.75	-2.88	387.00	387.10
H	77+06.74	-2.95	387.05	387.09
℄ Brg. E. Abut.	77+12.20	-3.01	387.08	387.08
Bk. of E. Abut.	77+13.47	-3.02	387.09	387.09

℄ ROADWAY & P.G.

Location	Station	Offset (ft)	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of W. Abut.	76+46.03	0.00	386.63	386.63
℄ Brg. W. Abut.	76+47.30	0.00	386.64	386.64
C	76+57.29	0.00	386.69	386.76
D	76+67.28	0.00	386.74	386.86
E	76+77.27	0.00	386.79	386.93
F	76+87.27	0.00	386.84	386.97
G	76+97.28	0.00	386.89	386.99
H	77+07.29	0.00	386.94	386.98
℄ Brg. E. Abut.	77+12.76	0.00	386.96	386.96
Bk. of E. Abut.	77+14.04	0.00	386.97	386.97

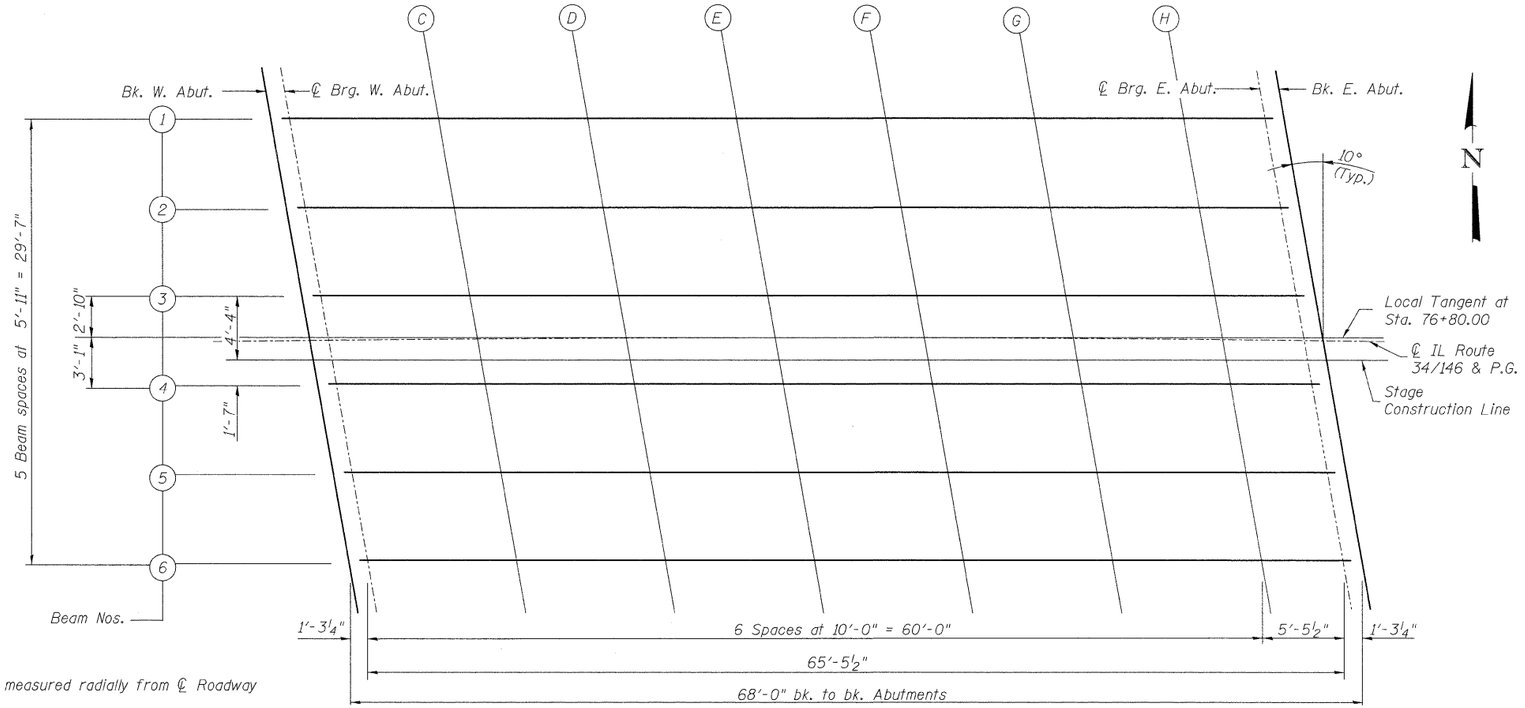


At Minimum Fillet — At Maximum Fillet

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



PLAN

Note:
All offsets are measured radially from ℄ Roadway

STAGE CONSTRUCTION LINE

Location	Station	Offset (ft)	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of W. Abut.	76+46.25	1.31	386.58	386.58
℄ Brg. W. Abut.	76+47.52	1.32	386.59	386.59
C	76+57.52	1.42	386.63	386.70
D	76+67.53	1.47	386.68	386.80
E	76+77.53	1.50	386.73	386.87
F	76+87.54	1.49	386.78	386.91
G	76+97.54	1.45	386.83	386.93
H	77+07.55	1.37	386.88	386.92
℄ Brg. E. Abut.	77+13.01	1.32	386.91	386.91
Bk. of E. Abut.	77+14.28	1.30	386.92	386.92

BEAM 4

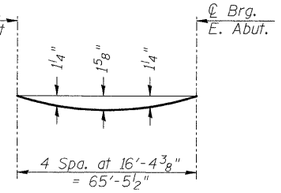
Location	Station	Offset (ft)	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of W. Abut.	76+46.51	2.89	386.52	386.52
℄ Brg. W. Abut.	76+47.78	2.91	386.53	386.53
C	76+57.79	3.00	386.57	386.64
D	76+67.80	3.06	386.62	386.74
E	76+77.81	3.08	386.67	386.81
F	76+87.82	3.07	386.72	386.85
G	76+97.83	3.03	386.77	386.87
H	77+07.84	2.95	386.82	386.86
℄ Brg. E. Abut.	77+13.30	2.90	386.85	386.85
Bk. of E. Abut.	77+14.58	2.88	386.86	386.86

BEAM 5

Location	Station	Offset (ft)	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of W. Abut.	76+47.49	8.82	386.29	386.29
℄ Brg. W. Abut.	76+48.76	8.84	386.30	386.30
C	76+58.79	8.92	386.35	386.42
D	76+68.82	8.98	386.39	386.51
E	76+78.85	9.00	386.44	386.58
F	76+88.88	8.99	386.49	386.62
G	76+98.91	8.94	386.55	386.65
H	77+08.94	8.86	386.60	386.64
℄ Brg. E. Abut.	77+14.42	8.80	386.63	386.63
Bk. of E. Abut.	77+15.69	8.79	386.64	386.64

BEAM 6

Location	Station	Offset (ft)	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of W. Abut.	76+48.47	14.75	386.07	386.07
℄ Brg. W. Abut.	76+49.75	14.76	386.07	386.07
C	76+59.80	14.85	386.12	386.19
D	76+69.85	14.90	386.17	386.29
E	76+79.90	14.92	386.22	386.36
F	76+89.95	14.90	386.27	386.40
G	77+00.00	14.85	386.32	386.42
H	77+10.05	14.76	386.37	386.41
℄ Brg. E. Abut.	77+15.54	14.70	386.40	386.40
Bk. of E. Abut.	77+16.81	14.69	386.41	386.41



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 this sheet.*

DECK ELEVATIONS
IL 34/146 OVER
THREE MILE CREEK
STATION 76+80.00

LIN ENGINEERING, LTD.
Consulting Engineers
Chatham, Illinois

Designed By: ESH	Checked By: MTH	Drawn By: ESH
Date: 8/2008	File: 035-0015.dgn	

SHEET NO. 4
18 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
885	5B-1	Hardin	48	17
	S.N. 035-0015	CONTRACT NO. 98949		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

D-99-016-06