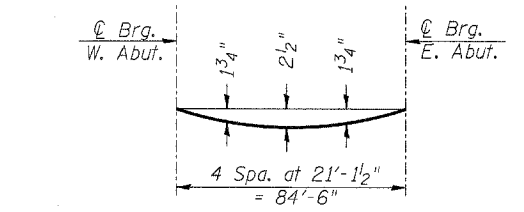
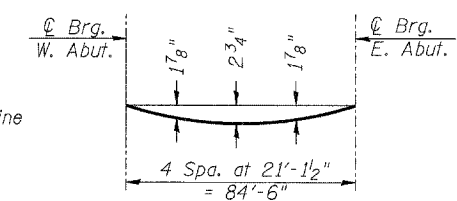


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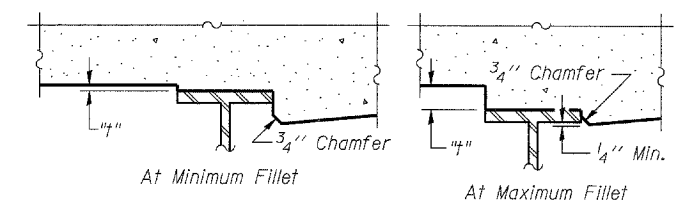


DEAD LOAD DEFLECTION DIAGRAM
(Beam 1)
(Includes weight of concrete only.)



DEAD LOAD DEFLECTION DIAGRAM
(Beams 2-7)
(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 below.



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 below, minus slab thickness, equals the fillet heights "f" above top flange of beams.

FILLET HEIGHTS

BEAM 1

Location	Station	Offset (ft)	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of W. Abut.	603+36.50	-19.00	395.77	395.77
☉ Brg. W. Abut.	603+37.75	-19.00	395.77	395.77
C	603+47.75	-19.00	395.84	395.92
D	603+57.75	-19.00	395.91	396.05
E	603+67.75	-19.00	395.96	396.14
F	603+77.75	-19.00	396.00	396.21
G	603+87.75	-19.00	396.06	396.25
H	603+97.75	-19.00	396.12	396.28
I	604+07.75	-19.00	396.18	396.29
☉ Brg. E. Abut.	604+22.25	-19.00	396.29	396.29
Bk. of E. Abut.	604+23.50	-19.00	396.30	396.30

BEAM 2

Location	Station	Offset (ft)	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of W. Abut.	603+36.50	-12.67	395.89	395.89
☉ Brg. W. Abut.	603+37.75	-12.67	395.90	395.90
C	603+47.75	-12.67	395.95	396.04
D	603+57.75	-12.67	396.01	396.16
E	603+67.75	-12.67	396.05	396.26
F	603+77.75	-12.67	396.10	396.32
G	603+87.75	-12.67	396.15	396.37
H	603+97.75	-12.67	396.21	396.39
I	604+07.75	-12.67	396.28	396.40
☉ Brg. E. Abut.	604+22.25	-12.67	396.38	396.38
Bk. of E. Abut.	604+23.50	-12.67	396.39	396.39

BEAM 3

Location	Station	Offset (ft)	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of W. Abut.	603+36.50	-6.33	396.01	396.01
☉ Brg. W. Abut.	603+37.75	-6.33	396.02	396.02
C	603+47.75	-6.33	396.06	396.15
D	603+57.75	-6.33	396.11	396.26
E	603+67.75	-6.33	396.15	396.35
F	603+77.75	-6.33	396.19	396.42
G	603+87.75	-6.33	396.25	396.46
H	603+97.75	-6.33	396.31	396.49
I	604+07.75	-6.33	396.37	396.49
☉ Brg. E. Abut.	604+22.25	-6.33	396.48	396.48
Bk. of E. Abut.	604+23.50	-6.33	396.49	396.49

BEAM 4, ☉ ROADWAY & P.G.

Location	Station	Offset (ft)	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of W. Abut.	603+36.50	0.00	396.14	396.14
☉ Brg. W. Abut.	603+37.75	0.00	396.14	396.14
C	603+47.75	0.00	396.17	396.25
D	603+57.75	0.00	396.20	396.36
E	603+67.75	0.00	396.24	396.45
F	603+77.75	0.00	396.29	396.51
G	603+87.75	0.00	396.34	396.56
H	603+97.75	0.00	396.40	396.58
I	604+07.75	0.00	396.47	396.59
☉ Brg. E. Abut.	604+22.25	0.00	396.57	396.57
Bk. of E. Abut.	604+23.50	0.00	396.58	396.58

STAGE CONSTRUCTION LINE

Location	Station	Offset (ft)	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of W. Abut.	603+36.50	3.33	396.20	396.20
☉ Brg. W. Abut.	603+37.75	3.33	396.21	396.21
C	603+47.75	3.33	396.23	396.31
D	603+57.75	3.33	396.25	396.41
E	603+67.75	3.33	396.29	396.50
F	603+77.75	3.33	396.34	396.56
G	603+87.75	3.33	396.39	396.61
H	603+97.75	3.33	396.45	396.63
I	604+07.75	3.33	396.52	396.64
☉ Brg. E. Abut.	604+22.25	3.33	396.62	396.62
Bk. of E. Abut.	604+23.50	3.33	396.63	396.63

BEAM 5

Location	Station	Offset (ft)	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of W. Abut.	603+36.50	6.33	396.26	396.26
☉ Brg. W. Abut.	603+37.75	6.33	396.27	396.27
C	603+47.75	6.33	396.28	396.36
D	603+57.75	6.33	396.30	396.45
E	603+67.75	6.33	396.34	396.54
F	603+77.75	6.33	396.38	396.61
G	603+87.75	6.33	396.44	396.65
H	603+97.75	6.33	396.50	396.68
I	604+07.75	6.33	396.56	396.68
☉ Brg. E. Abut.	604+22.25	6.33	396.67	396.67
Bk. of E. Abut.	604+23.50	6.33	396.68	396.68

BEAM 6

Location	Station	Offset (ft)	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of W. Abut.	603+36.50	12.67	396.39	396.39
☉ Brg. W. Abut.	603+37.75	12.67	396.39	396.39
C	603+47.75	12.67	396.39	396.47
D	603+57.75	12.67	396.40	396.55
E	603+67.75	12.67	396.43	396.64
F	603+77.75	12.67	396.48	396.70
G	603+87.75	12.67	396.53	396.75
H	603+97.75	12.67	396.59	396.77
I	604+07.75	12.67	396.66	396.78
☉ Brg. E. Abut.	604+22.25	12.67	396.76	396.76
Bk. of E. Abut.	604+23.50	12.67	396.77	396.77

BEAM 7

Location	Station	Offset (ft)	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of W. Abut.	603+36.50	19.00	396.51	396.51
☉ Brg. W. Abut.	603+37.75	19.00	396.51	396.51
C	603+47.75	19.00	396.50	396.58
D	603+57.75	19.00	396.49	396.65
E	603+67.75	19.00	396.53	396.73
F	603+77.75	19.00	396.57	396.80
G	603+87.75	19.00	396.63	396.84
H	603+97.75	19.00	396.69	396.87
I	604+07.75	19.00	396.75	396.87
☉ Brg. E. Abut.	604+22.25	19.00	396.86	396.86
Bk. of E. Abut.	604+23.50	19.00	396.87	396.87

ILLINOIS DEPARTMENT OF TRANSPORTATION
DECK ELEVATIONS
ILLINOIS ROUTE 14 OVER
ANDY CREEK
F.A.P. ROUTE 869 - SECTION 104B-2
FRANKLIN COUNTY
STATION 603+80.00
STRUCTURE NO. 028-0076

REVISIONS

NAME	DATE

LIN ENGINEERING, LTD.
Consulting Engineers
Chatham, Illinois

Designed By: JCY Checked By: MTH Drawn By: AJF
Date: 12/06 File: 028-0076.DGN

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