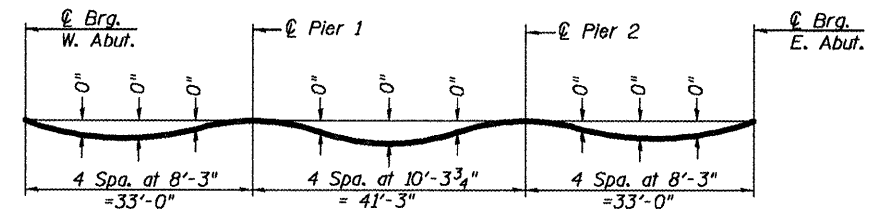
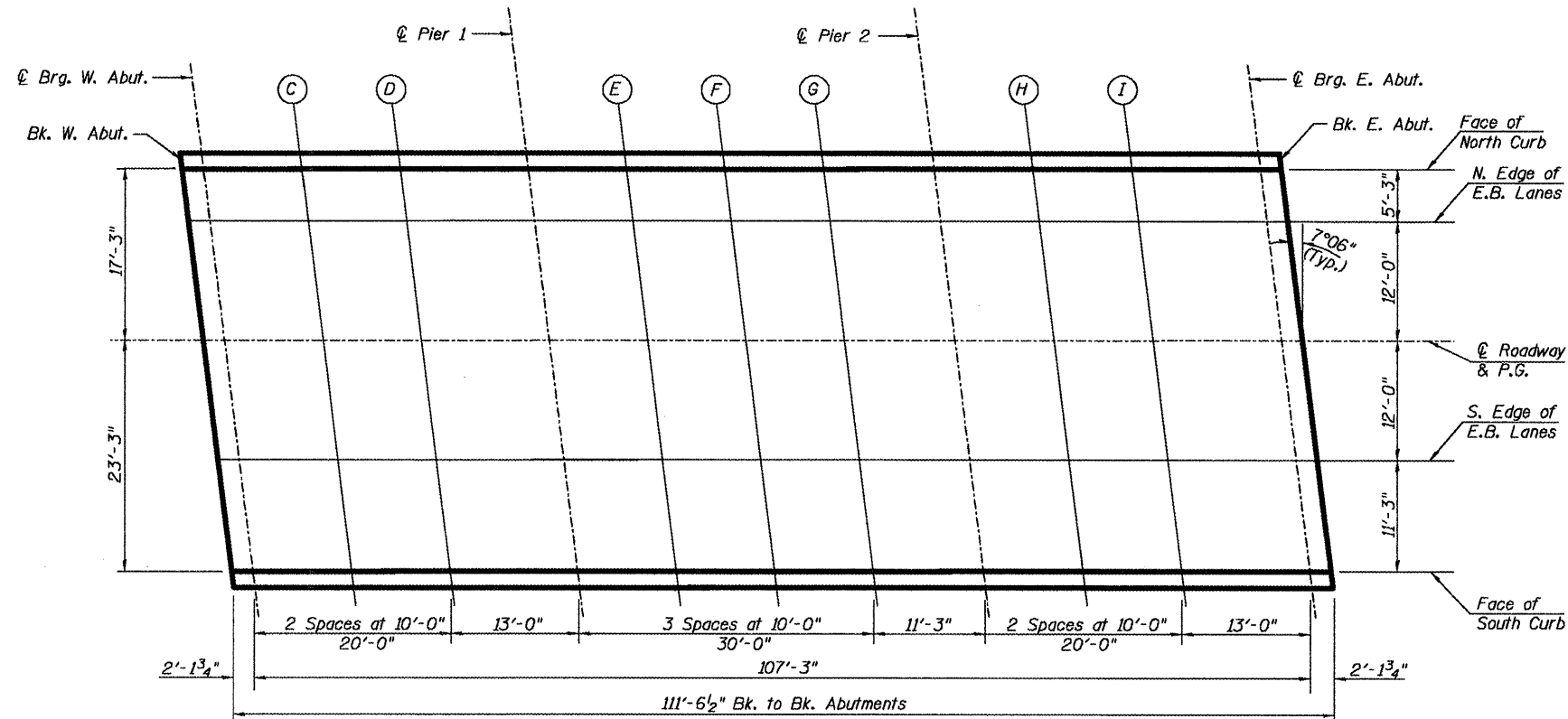


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



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 this sheet.

PLAN

FACE OF NORTH CURB

Location	Station	Offset (ft)	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of W. Abut.	569+59.34	-17.25	749.97	749.97
☉ Brg. W. Abut.	569+61.49	-17.25	749.97	749.97
C	569+71.49	-17.25	750.01	750.01
D	569+81.49	-17.25	750.05	750.05
☉ Pier 1	569+94.49	-17.25	750.09	750.09
E	570+04.49	-17.25	750.13	750.13
F	570+14.49	-17.25	750.17	750.17
G	570+24.49	-17.25	750.20	750.20
☉ Pier 2	570+35.74	-17.25	750.24	750.24
H	570+45.74	-17.25	750.28	750.28
I	570+55.74	-17.25	750.31	750.31
☉ Brg. E. Abut.	570+68.74	-17.25	750.36	750.36
Bk. of E. Abut.	570+70.88	-17.25	750.37	750.37

SOUTH EDGE OF E.B. LANES

Location	Station	Offset (ft)	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of W. Abut.	569+62.98	12.00	750.09	750.09
☉ Brg. W. Abut.	569+65.13	12.00	750.10	750.10
C	569+75.13	12.00	750.13	750.13
D	569+85.13	12.00	750.17	750.17
☉ Pier 1	569+98.13	12.00	750.22	750.22
E	570+08.13	12.00	750.25	750.25
F	570+18.13	12.00	750.29	750.29
G	570+28.13	12.00	750.32	750.32
☉ Pier 2	570+39.38	12.00	750.36	750.36
H	570+49.38	12.00	750.40	750.40
I	570+59.38	12.00	750.44	750.44
☉ Brg. E. Abut.	570+72.38	12.00	750.48	750.48
Bk. of E. Abut.	570+74.53	12.00	750.49	750.49

P.G. & ☉ ROADWAY

Location	Station	Offset (ft)	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of W. Abut.	569+61.49	0.00	750.27	750.27
☉ Brg. W. Abut.	569+63.64	0.00	750.28	750.28
C	569+73.64	0.00	750.32	750.32
D	569+83.64	0.00	750.35	750.35
☉ Pier 1	569+96.64	0.00	750.40	750.40
E	570+06.64	0.00	750.43	750.43
F	570+16.64	0.00	750.47	750.47
G	570+26.64	0.00	750.51	750.51
☉ Pier 2	570+37.89	0.00	750.55	750.55
H	570+47.89	0.00	750.58	750.58
I	570+57.89	0.00	750.62	750.62
☉ Brg. E. Abut.	570+70.89	0.00	750.67	750.67
Bk. of E. Abut.	570+73.03	0.00	750.67	750.67

NORTH EDGE OF E.B. LANES

Location	Station	Offset (ft)	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of W. Abut.	569+59.99	-12.00	750.08	750.08
☉ Brg. W. Abut.	569+62.14	-12.00	750.09	750.09
C	569+72.14	-12.00	750.12	750.12
D	569+82.14	-12.00	750.16	750.16
☉ Pier 1	569+95.14	-12.00	750.21	750.21
E	570+05.14	-12.00	750.24	750.24
F	570+15.14	-12.00	750.28	750.28
G	570+25.14	-12.00	750.31	750.31
☉ Pier 2	570+36.39	-12.00	750.35	750.35
H	570+46.39	-12.00	750.39	750.39
I	570+56.39	-12.00	750.43	750.43
☉ Brg. E. Abut.	570+69.39	-12.00	750.47	750.47
Bk. of E. Abut.	570+71.54	-12.00	750.48	750.48

FACE OF SOUTH CURB

Location	Station	Offset (ft)	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of W. Abut.	569+64.39	23.25	749.86	749.86
☉ Brg. W. Abut.	569+66.53	23.25	749.87	749.87
C	569+76.53	23.25	749.90	749.90
D	569+86.53	23.25	749.94	749.94
☉ Pier 1	569+99.53	23.25	749.99	749.99
E	570+09.53	23.25	750.02	750.02
F	570+19.53	23.25	750.06	750.06
G	570+29.53	23.25	750.09	750.09
☉ Pier 2	570+40.78	23.25	750.13	750.13
H	570+50.78	23.25	750.17	750.17
I	570+60.78	23.25	750.21	750.21
☉ Brg. E. Abut.	570+73.78	23.25	750.25	750.25
Bk. of E. Abut.	570+75.93	23.25	750.26	750.26

All offsets measured from ☉ Roadway of South Structure.

DECK ELEVATIONS -2
(SOUTH STRUCTURE)
I-74 OVER TOWNSHIP ROAD 205
F.A.I. RTE. 74 - SEC. 48-(27HB-5)I-1
KNOX COUNTY
STATION 570+11.72
STRUCTURE NO. 048-0011 (WB), 0012 (EB)

LIN ENGINEERING, LTD. Consulting Engineers Chattanooga, Illinois <small>Designed by ESH Checked by WTH Drawn by ESH</small> <small>Date: 12/2008 File: 048-0011.002.dwg</small>	SHEET NO. 5 18 SHEETS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		74	48-(27HB-5)I-1	KNOX	104	44
					CONTRACT NO. 68062	
		FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		