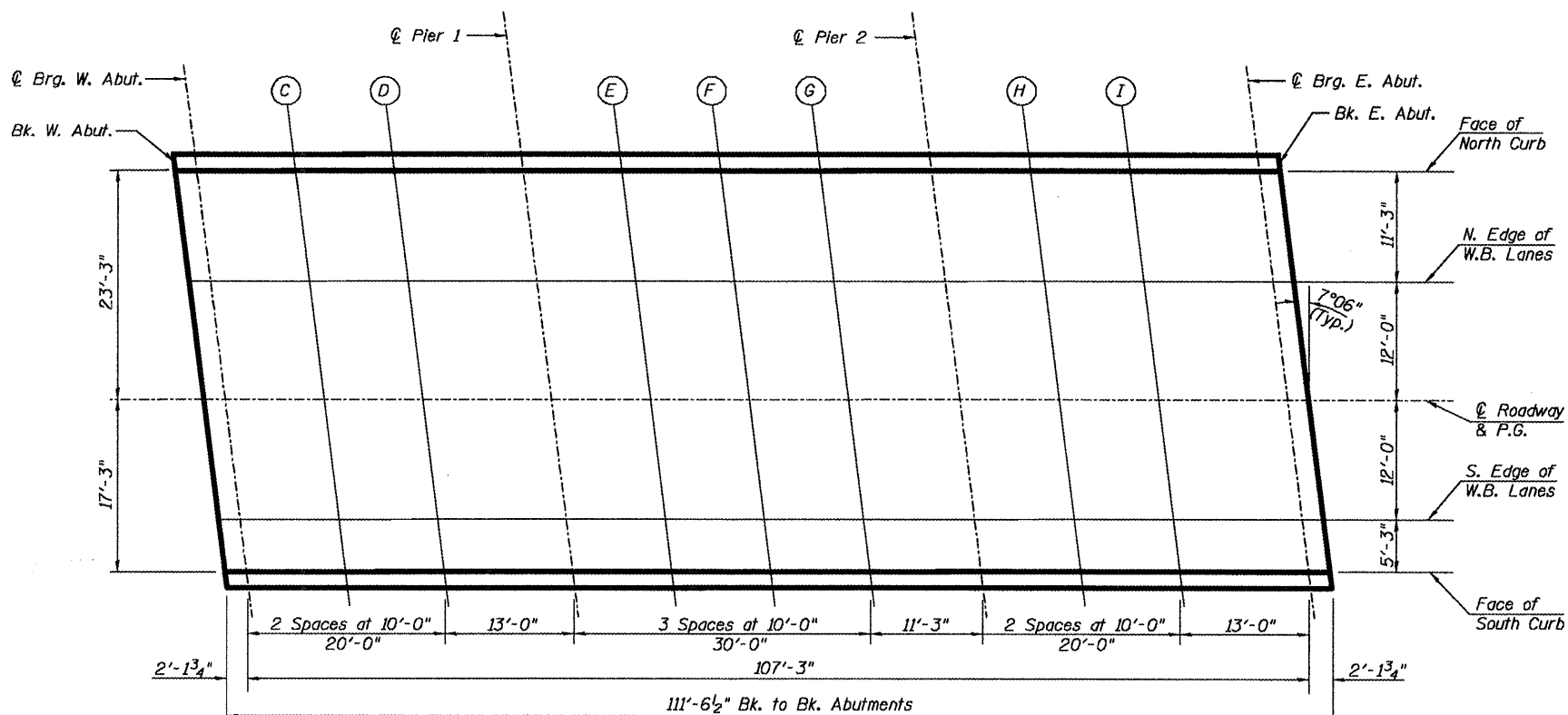
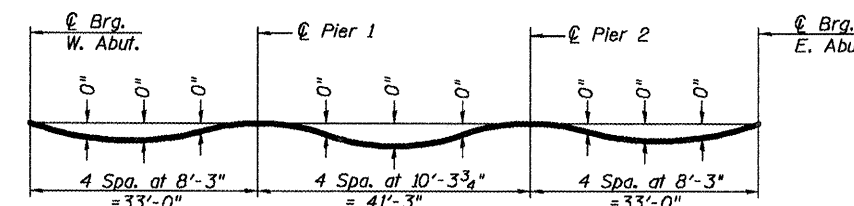


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



PLAN



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.

FACE OF NORTH CURB

Location	Station	Offset (ft)	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of W. Abut.	569+47.62	-23.25	749.80	749.80
☉ Brg. W. Abut.	569+49.77	-23.25	749.81	749.81
C	569+59.77	-23.25	749.84	749.84
D	569+69.77	-23.25	749.88	749.88
☉ Pier 1	569+82.77	-23.25	749.93	749.93
E	569+92.77	-23.25	749.96	749.96
F	570+02.77	-23.25	750.00	750.00
G	570+12.77	-23.25	750.03	750.03
☉ Pier 2	570+24.02	-23.25	750.07	750.07
H	570+34.02	-23.25	750.11	750.11
I	570+44.02	-23.25	750.15	750.15
☉ Brg. E. Abut.	570+57.02	-23.25	750.19	750.19
Bk. of E. Abut.	570+59.16	-23.25	750.20	750.20

SOUTH EDGE OF W.B. LANES

Location	Station	Offset (ft)	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of W. Abut.	569+52.01	12.00	750.05	750.05
☉ Brg. W. Abut.	569+54.16	12.00	750.06	750.06
C	569+64.16	12.00	750.09	750.09
D	569+74.16	12.00	750.13	750.13
☉ Pier 1	569+87.16	12.00	750.18	750.18
E	569+97.16	12.00	750.21	750.21
F	570+07.16	12.00	750.25	750.25
G	570+17.16	12.00	750.28	750.28
☉ Pier 2	570+28.41	12.00	750.32	750.32
H	570+38.41	12.00	750.36	750.36
I	570+48.41	12.00	750.40	750.40
☉ Brg. E. Abut.	570+61.41	12.00	750.44	750.44
Bk. of E. Abut.	570+63.56	12.00	750.45	750.45

P.G. & ☉ ROADWAY

Location	Station	Offset (ft)	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of W. Abut.	569+50.52	0.00	750.23	750.23
☉ Brg. W. Abut.	569+52.67	0.00	750.24	750.24
C	569+62.67	0.00	750.28	750.28
D	569+72.67	0.00	750.31	750.31
☉ Pier 1	569+85.67	0.00	750.36	750.36
E	569+95.67	0.00	750.39	750.39
F	570+05.67	0.00	750.43	750.43
G	570+15.67	0.00	750.47	750.47
☉ Pier 2	570+26.92	0.00	750.51	750.51
H	570+36.92	0.00	750.54	750.54
I	570+46.92	0.00	750.58	750.58
☉ Brg. E. Abut.	570+59.92	0.00	750.63	750.63
Bk. of E. Abut.	570+62.06	0.00	750.63	750.63

NORTH EDGE OF W.B. LANES

Location	Station	Offset (ft)	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of W. Abut.	569+49.02	-12.00	750.04	750.04
☉ Brg. W. Abut.	569+51.17	-12.00	750.05	750.05
C	569+61.17	-12.00	750.08	750.08
D	569+71.17	-12.00	750.12	750.12
☉ Pier 1	569+84.17	-12.00	750.17	750.17
E	569+94.17	-12.00	750.20	750.20
F	570+04.17	-12.00	750.24	750.24
G	570+14.17	-12.00	750.27	750.27
☉ Pier 2	570+25.42	-12.00	750.31	750.31
H	570+35.42	-12.00	750.35	750.35
I	570+45.42	-12.00	750.39	750.39
☉ Brg. E. Abut.	570+58.42	-12.00	750.43	750.43
Bk. of E. Abut.	570+60.57	-12.00	750.44	750.44

FACE OF SOUTH CURB

Location	Station	Offset (ft)	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of W. Abut.	569+52.67	17.25	749.94	749.94
☉ Brg. W. Abut.	569+54.81	17.25	749.95	749.95
C	569+64.81	17.25	749.99	749.99
D	569+74.81	17.25	750.02	750.02
☉ Pier 1	569+87.81	17.25	750.07	750.07
E	569+97.81	17.25	750.11	750.11
F	570+07.81	17.25	750.14	750.14
G	570+17.81	17.25	750.18	750.18
☉ Pier 2	570+29.06	17.25	750.22	750.22
H	570+39.06	17.25	750.25	750.25
I	570+49.06	17.25	750.29	750.29
☉ Brg. E. Abut.	570+62.06	17.25	750.34	750.34
Bk. of E. Abut.	570+64.21	17.25	750.34	750.34

All offsets measured from ☉ Roadway of North Structure.

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



SHEET NO. 4
18 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	48-(27HB-5)I,I-1	KNOX	104	43
CONTRACT NO. 68062				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				