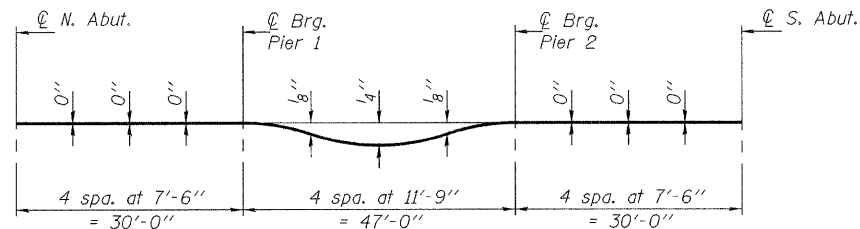


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION



**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 below.

**FACE OF EAST CURB**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
CL N. Abut	142166.43	-22.00	745.18	745.18
C	142176.43	-22.00	745.37	745.37
D	142186.43	-22.00	745.55	745.55
CL Brg. Pier 1	142196.43	-22.00	745.74	745.74
E	142206.43	-22.00	745.93	745.94
F	142216.43	-22.00	746.12	746.14
G	142226.43	-22.00	746.31	746.33
H	142236.43	-22.00	746.49	746.50
CL Brg. Pier 2	142243.43	-22.00	746.63	746.63
I	142253.43	-22.00	746.82	746.82
J	142263.43	-22.00	747.00	747.01
CL S. Abut	142273.43	-22.00	747.19	747.19

**EAST EDGE OF ROADWAY**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
CL N. Abut	142166.43	-12.00	745.38	745.38
C	142176.43	-12.00	745.57	745.57
D	142186.43	-12.00	745.76	745.76
CL Brg. Pier 1	142196.43	-12.00	745.95	745.95
E	142206.43	-12.00	746.14	746.15
F	142216.43	-12.00	746.33	746.35
G	142226.43	-12.00	746.51	746.53
H	142236.43	-12.00	746.70	746.71
CL Brg. Pier 2	142243.43	-12.00	746.83	746.83
I	142253.43	-12.00	747.02	747.02
J	142263.43	-12.00	747.21	747.21
CL S. Abut	142273.43	-12.00	747.40	747.40

**CL ROADWAY, PROFILE GRADE, & STAGE CONST. JOINT**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
CL N. Abut	142166.43	0.00	745.57	745.57
C	142176.43	0.00	745.76	745.76
D	142186.43	0.00	745.95	745.95
CL Brg. Pier 1	142196.43	0.00	746.14	746.14
E	142206.43	0.00	746.33	746.34
F	142216.43	0.00	746.51	746.54
G	142226.43	0.00	746.70	746.72
H	142236.43	0.00	746.89	746.90
CL Brg. Pier 2	142243.43	0.00	747.02	747.02
I	142253.43	0.00	747.21	747.21
J	142263.43	0.00	747.40	747.40
CL S. Abut	142273.43	0.00	747.59	747.59

**WEST EDGE OF ROADWAY**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
CL N. Abut	142166.43	12.00	745.38	745.38
C	142176.43	12.00	745.57	745.57
D	142186.43	12.00	745.76	745.76
CL Brg. Pier 1	142196.43	12.00	745.95	745.95
E	142206.43	12.00	746.14	746.15
F	142216.43	12.00	746.33	746.35
G	142226.43	12.00	746.51	746.53
H	142236.43	12.00	746.70	746.71
CL Brg. Pier 2	142243.43	12.00	746.83	746.83
I	142253.43	12.00	747.02	747.02
J	142263.43	12.00	747.21	747.21
CL S. Abut	142273.43	12.00	747.40	747.40

**FACE OF WEST CURB**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
CL N. Abut	142166.43	18.00	745.26	745.26
C	142176.43	18.00	745.45	745.45
D	142186.43	18.00	745.64	745.64
CL Brg. Pier 1	142196.43	18.00	745.82	745.82
E	142206.43	18.00	746.01	746.03
F	142216.43	18.00	746.20	746.22
G	142226.43	18.00	746.39	746.41
H	142236.43	18.00	746.58	746.59
CL Brg. Pier 2	142243.43	18.00	746.71	746.71
I	142253.43	18.00	746.90	746.90
J	142263.43	18.00	747.09	747.09
CL S. Abut	142273.43	18.00	747.27	747.27

DESIGNED	Nicholas R. Barnett
CHECKED	Michael D. Rolape
DRAWN	h.f. duong
CHECKED	NRB/MDR/GRA

EXAMINED	September 29, 2009	Thomas J. Domagalak
PASSED		Ralph E. Anderson

**TOP OF SLAB ELEVATIONS (N.B.)**  
**STRUCTURE NO. 037-0015 (S.B.)**  
**STRUCTURE NO. 037-0016 (N.B.)**

SHEET NO. 7 30 SHEETS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	74	37-4HB	HENRY	148	43
CONTRACT NO. 64264					
FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT					