

**DEAD LOAD DEFLECTION DIAGRAM**

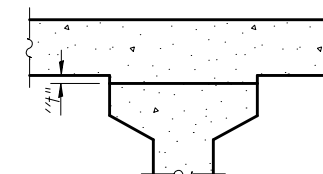
(Includes weight of concrete, excluding beams)

**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 at right and on sheet 4 of 26.

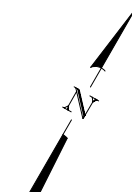
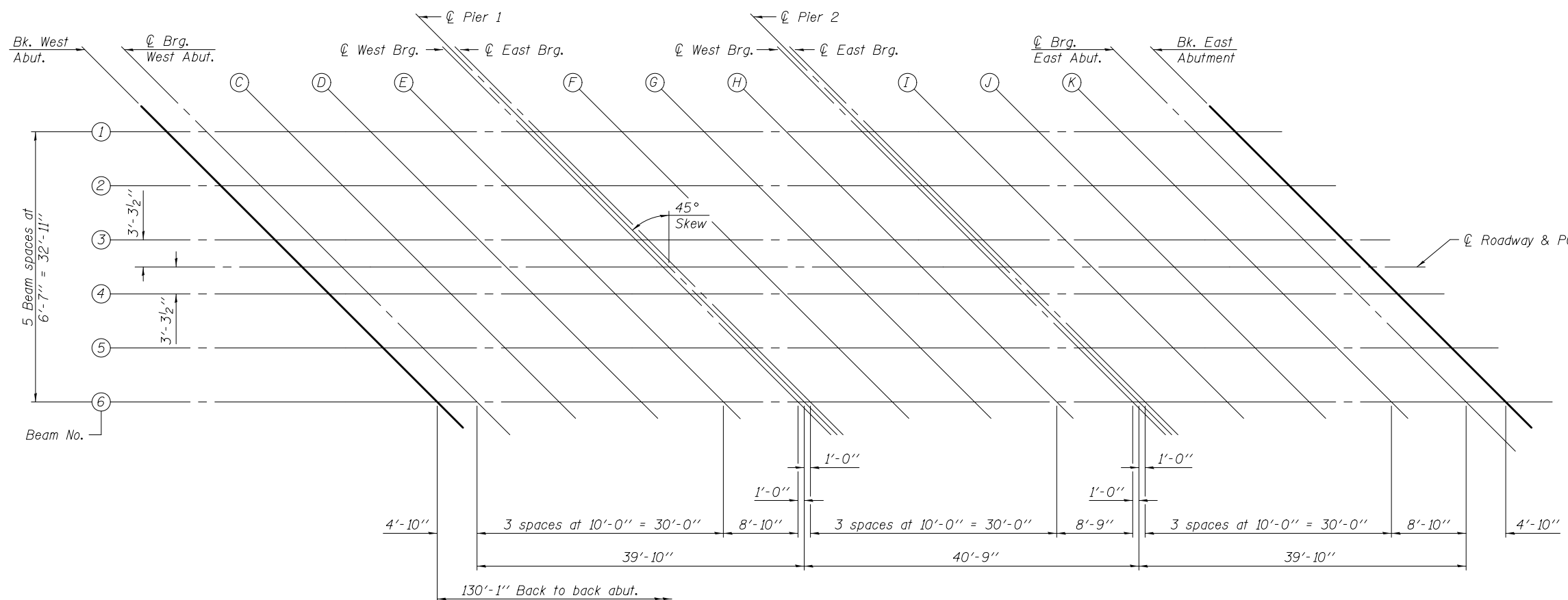
**BEAM 1**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	52+18.50	-16.46	394.55	394.55
C Brg. W. Abut.	52+23.34	-16.46	394.56	394.56
C	52+33.34	-16.46	394.60	394.61
D	52+43.34	-16.46	394.63	394.64
E	52+53.34	-16.46	394.66	394.67
C W. Brg. Pier 1	52+62.17	-16.46	394.69	394.69
C Pier 1	52+63.17	-16.46	394.70	394.70
C E. Brg. Pier 1	52+64.17	-16.46	394.70	394.70
F	52+74.17	-16.46	394.73	394.74
G	52+84.17	-16.46	394.77	394.78
H	52+94.17	-16.46	394.80	394.81
C W. Brg. Pier 2	53+02.92	-16.46	394.83	394.83
C Pier 2	53+03.92	-16.46	394.83	394.83
C E. Brg. Pier 2	53+04.92	-16.46	394.84	394.84
I	53+14.92	-16.46	394.87	394.88
J	53+24.92	-16.46	394.90	394.92
K	53+34.92	-16.46	394.94	394.95
C Brg. E. Abut.	53+43.75	-16.46	394.97	394.97
Bk. E. Abut.	53+48.58	-16.46	394.98	394.98



To determine "t": After all precast prestressed beams have 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 Deflections" shown at left and on sheet 4 of 26, minus slab thickness, equals the fillet heights "t" above top flanges of beams.

**FILLET HEIGHTS**



PI-E 7-1-10

**PLAN**

DESIGNED - MARK D. SHAFFER
CHECKED - STEPHEN M. RYAN
DRAWN - MICHAEL B. MOSSMAN
CHECKED - F.T. / G.R.A.

EXAMINED	<i>Jaime F. Schaff</i>	DATE - JANUARY 24, 2014
PASSED	<i>Carl Berger</i>	REVISOR
	ACTING ENGINEER OF BRIDGES AND STRUCTURES	REVISOR

DATE - JANUARY 24, 2014
REVISOR
REVISOR

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TOP OF SLAB ELEVATIONS  
STRUCTURE NO. 100 - 0081

SHEET NO. 3 OF 26 SHEETS

F.A.U. RTE. 9588	SECTION 39B-2	COUNTY WILLIAMSON	TOTAL SHEETS 224	SHEET NO. 96
CONTRACT NO. 78277				
ILLINOIS FED. AID PROJECT				