

STATE OF ILLINOIS  
DEPARTMENT OF PUBLIC WORKS & BUILDINGS  
DIVISION OF HIGHWAYS

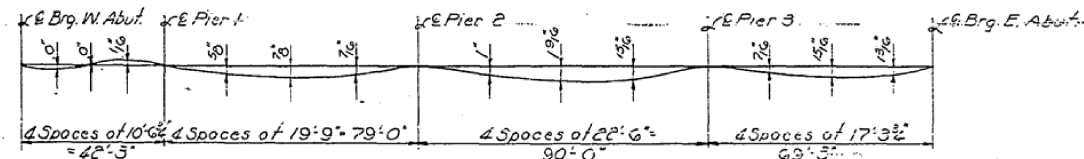
SHEET NO. 3  
10-4  
11B-2 Champaign 34 9  
17 SHEETS

Beam	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of W. Abut.	2005.170	13.666	750.664	750.664
	2005.170	6.833	751.410	751.410
	2005.170	.000	751.957	751.957
	2005.170	6.833	752.504	752.504
	2005.170	13.666	753.050	753.050
E. Brg. W. Abut.	2007.920	13.666	751.000	751.000
	2007.920	6.833	751.546	751.546
	2007.920	.000	752.093	752.093
	2007.920	6.833	752.640	752.640
A	2017.920	13.666	751.467	751.468
	2017.920	6.833	752.033	752.036
	2017.920	.000	752.580	752.583
	2017.920	6.833	753.127	753.129
B	2027.920	13.666	753.675	753.676
	2027.920	6.833	754.241	754.243
	2027.920	.000	754.807	754.810
	2027.920	6.833	755.373	755.376
C	2037.920	13.666	755.939	755.942
	2037.920	6.833	766.505	766.509
	2037.920	.000	767.071	767.075
	2037.920	6.833	767.637	767.642

Beam	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
E. Pier 1	2056.170	15.000	752.969	752.969
	2056.170	6.833	753.536	753.536
	2056.170	.000	754.103	754.103
	2056.170	6.833	754.670	754.670
	2056.170	13.666	755.237	755.237
D	2056.170	15.666	753.434	753.461
	2056.170	6.833	753.961	753.992
	2056.170	.000	754.487	754.523
	2056.170	6.833	755.014	755.051
E	2070.170	13.666	755.355	755.393
	2070.170	6.833	755.912	755.955
	2070.170	.000	756.469	756.517
	2070.170	6.833	757.026	757.079
F	2084.170	13.666	756.524	756.573
	2084.170	6.833	757.081	757.135
	2084.170	.000	757.638	757.692
	2084.170	6.833	758.195	758.254
G	2098.170	13.666	757.754	757.813
	2098.170	6.833	758.311	758.375
	2098.170	.000	758.868	758.937
	2098.170	6.833	759.425	759.499
H	2100.170	13.666	758.984	759.053
	2100.170	6.833	759.541	759.615
	2100.170	.000	760.098	760.177
	2100.170	6.833	760.655	760.739
I	2114.170	13.666	761.214	761.298
	2114.170	6.833	761.771	761.860
	2114.170	.000	762.328	762.422
	2114.170	6.833	762.885	762.989
J	2128.170	13.666	763.514	763.613
	2128.170	6.833	764.071	764.175
	2128.170	.000	764.628	764.737
	2128.170	6.833	765.185	765.299

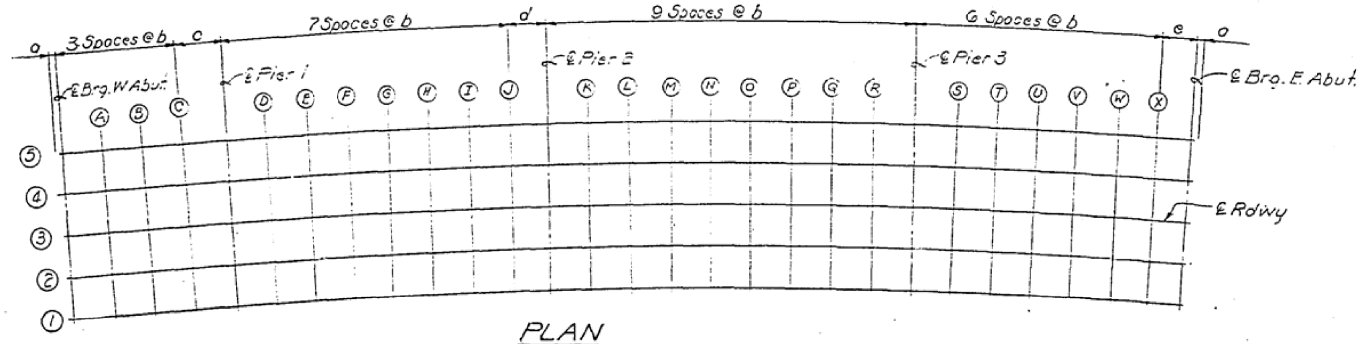
Beam	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
E. Pier 2	2128.170	13.666	756.231	756.231
	2128.170	6.833	756.778	756.778
	2128.170	.000	757.325	757.325
	2128.170	6.833	757.872	757.871
	2128.170	13.666	758.419	758.416
K	2139.170	13.666	756.597	756.634
	2139.170	6.833	757.143	757.180
	2139.170	.000	757.689	757.726
	2139.170	6.833	758.235	758.272
L	2149.170	13.666	756.953	756.990
	2149.170	6.833	757.499	757.536
	2149.170	.000	758.045	758.082
	2149.170	6.833	758.591	758.628
M	2159.170	13.666	757.309	757.346
	2159.170	6.833	757.855	757.892
	2159.170	.000	758.401	758.438
	2159.170	6.833	758.947	758.984
N	2169.170	13.666	757.665	757.702
	2169.170	6.833	758.211	758.248
	2169.170	.000	758.757	758.794
	2169.170	6.833	759.303	759.340
O	2179.170	13.666	758.021	758.058
	2179.170	6.833	758.567	758.604
	2179.170	.000	759.113	759.150
	2179.170	6.833	759.659	759.696
P	2189.170	13.666	758.377	758.414
	2189.170	6.833	758.923	758.960
	2189.170	.000	759.469	759.506
	2189.170	6.833	760.015	760.052
Q	2199.170	13.666	758.733	758.770
	2199.170	6.833	759.279	759.316
	2199.170	.000	759.825	759.862
	2199.170	6.833	760.371	760.408
R	2209.170	13.666	759.089	759.126
	2209.170	6.833	759.635	759.672
	2209.170	.000	760.181	760.218
	2209.170	6.833	760.727	760.764

Beam	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
E. Pier 3	2219.170	13.666	759.103	759.103
	2219.170	6.833	759.650	759.650
	2219.170	.000	760.197	760.197
	2219.170	6.833	760.744	760.744
	2219.170	13.666	761.291	761.291
S	2226.170	13.666	759.459	759.496
	2226.170	6.833	759.996	760.033
	2226.170	.000	760.533	760.570
	2226.170	6.833	761.070	761.107
T	2239.170	13.666	759.815	759.852
	2239.170	6.833	760.352	760.389
	2239.170	.000	760.889	760.926
	2239.170	6.833	761.426	761.463
U	2249.170	13.666	759.171	759.208
	2249.170	6.833	760.708	760.745
	2249.170	.000	761.245	761.282
	2249.170	6.833	761.782	761.819
V	2259.170	13.666	759.527	759.564
	2259.170	6.833	760.064	760.101
	2259.170	.000	760.601	760.638
	2259.170	6.833	761.138	761.175
W	2269.170	13.666	759.883	759.920
	2269.170	6.833	760.420	760.457
	2269.170	.000	760.957	760.994
	2269.170	6.833	761.494	761.531
X	2279.170	13.666	760.239	760.276
	2279.170	6.833	760.776	760.813
	2279.170	.000	761.313	761.350
	2279.170	6.833	761.850	761.887
E. Brg. E. Abut.	2288.420	13.666	760.605	760.653
	2288.420	6.833	761.142	761.190
	2288.420	.000	761.679	761.727
	2288.420	6.833	762.216	762.264
Bk. of E. Abut.	2291.170	13.666	760.971	760.925
	2291.170	6.833	761.508	761.473
	2291.170	.000	762.045	762.010
	2291.170	6.833	762.582	762.547
	2291.170	13.666	763.119	763.113



DEAD LOAD DEFLECTION DIAGRAM

The above deflections are not to be used in the field if the Engineer is working from Grade Elevations Adjusted for Dead Load Deflections as shown on this sheet.



PLAN

	a	b	c	d	e
Beam 5	2'-9 3/8"	10'-2 1/8"	12'-5 3/8"	9'-2"	9'-5"
Beam 4	2'-9 1/2"	10'-1 1/8"	12'-4 3/8"	9'-1"	9'-4"
Beam 3	2'-9"	10'-0"	12'-3"	9'-0"	9'-3"
Beam 2	2'-8 3/4"	9'-10 3/8"	12'-1 3/8"	8'-11"	9'-2"
Beam 1	2'-8 1/8"	9'-9 3/8"	12'-0 3/8"	8'-10"	9'-1"

DESIGNED James M. Pence  
EXAMINED Carl J. Hummel  
CHECKED James W. Harris  
DRAWN J. E. Nicholson  
APPROVED JWP  
JUNP

JULY 29 1965

Deflections due to the weight of forms are not included in tables above and must be compensated for by the contractor. The total deflection as shown will be reached about 5 years after roadwork removal. For immediate deflection at time of falsework removal divide those shown by 3.5.

ELEVATIONS  
F.A.I.R.T. 74 SEC. 10-4 HB-2  
CHAMPAIGN COUNTY  
STA. 1547+92.48