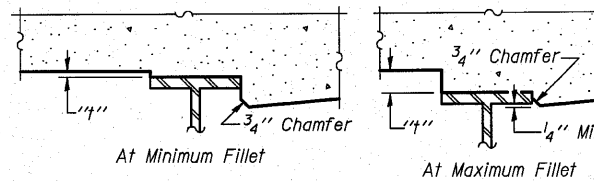


DEAD LOAD DEFLECTION DIAGRAM

(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 Sheets 10 through 13 of 43.



To determine "t": After all structural steel has been erected, elevations of the top flanges of the beams shall be taken at intervals shown on Sheet 10 of 43. These elevations subtracted from the Theoretical Grade Elevations Adjusted For Dead Load Deflection" shown on Sheets 10 through 13 of 43, minus slab thickness, equals the fillet heights "t" above top flange of beams.

FILLET HEIGHTS

BEAM 4

| Location | Station | Offset | Theoretical Grade Elevations | Theoretical Grade Elevations Adjusted For Dead Load Deflection |
|------------------|-----------|--------|------------------------------|--|
| Bk. N. Abut. | 51358.261 | -3.667 | 477.912 | 477.912 |
| CL Brg. N. Abut. | 51362.893 | -3.667 | 477.955 | 477.955 |
| A | 51372.893 | -3.667 | 478.046 | 478.059 |
| B | 51382.893 | -3.667 | 478.134 | 478.155 |
| C | 51392.893 | -3.667 | 478.220 | 478.239 |
| D | 51402.893 | -3.667 | 478.303 | 478.314 |
| E | 51412.893 | -3.667 | 478.384 | 478.384 |
| CL Brg. Pier 1 | 51424.143 | -3.667 | 478.471 | 478.471 |
| F | 51434.143 | -3.667 | 478.547 | 478.569 |
| G | 51444.143 | -3.667 | 478.620 | 478.674 |
| H | 51454.143 | -3.667 | 478.690 | 478.772 |
| I | 51464.143 | -3.667 | 478.758 | 478.856 |
| J | 51474.143 | -3.667 | 478.823 | 478.921 |
| K | 51484.143 | -3.667 | 478.886 | 478.966 |
| L | 51494.143 | -3.667 | 478.946 | 478.997 |
| M | 51504.143 | -3.667 | 479.004 | 479.023 |
| CL Brg. Pier 2 | 51513.143 | -3.667 | 479.054 | 479.054 |
| N | 51523.143 | -3.667 | 479.107 | 479.106 |
| O | 51533.143 | -3.667 | 479.157 | 479.166 |
| P | 51543.143 | -3.667 | 479.205 | 479.224 |
| Q | 51553.143 | -3.667 | 479.251 | 479.272 |
| R | 51563.143 | -3.667 | 479.294 | 479.309 |
| CL Brg. S. Abut. | 51574.393 | -3.667 | 479.339 | 479.339 |
| Bk. S. Abut. | 51579.011 | -3.667 | 479.357 | 479.357 |

CL NB LANES AND P.G.

| Location | Station | Offset | Theoretical Grade Elevations | Theoretical Grade Elevations Adjusted For Dead Load Deflection |
|------------------|-----------|--------|------------------------------|--|
| Bk. N. Abut. | 51362.539 | 0.000 | 478.010 | 478.010 |
| CL Brg. N. Abut. | 51367.171 | 0.000 | 478.052 | 478.052 |
| A | 51377.171 | 0.000 | 478.142 | 478.155 |
| B | 51387.171 | 0.000 | 478.229 | 478.250 |
| C | 51397.171 | 0.000 | 478.314 | 478.333 |
| D | 51407.171 | 0.000 | 478.396 | 478.406 |
| E | 51417.171 | 0.000 | 478.475 | 478.475 |
| CL Brg. Pier 1 | 51428.421 | 0.000 | 478.562 | 478.562 |
| F | 51438.421 | 0.000 | 478.636 | 478.658 |
| G | 51448.421 | 0.000 | 478.708 | 478.762 |
| H | 51458.421 | 0.000 | 478.777 | 478.860 |
| I | 51468.421 | 0.000 | 478.844 | 478.943 |
| J | 51478.421 | 0.000 | 478.908 | 479.006 |
| K | 51488.421 | 0.000 | 478.970 | 479.050 |
| L | 51498.421 | 0.000 | 479.029 | 479.080 |
| M | 51508.421 | 0.000 | 479.086 | 479.105 |
| CL Brg. Pier 2 | 51517.421 | 0.000 | 479.135 | 479.135 |
| N | 51527.421 | 0.000 | 479.187 | 479.186 |
| O | 51537.421 | 0.000 | 479.236 | 479.245 |
| P | 51547.421 | 0.000 | 479.283 | 479.302 |
| Q | 51557.421 | 0.000 | 479.327 | 479.349 |
| R | 51567.421 | 0.000 | 479.369 | 479.384 |
| CL Brg. S. Abut. | 51578.671 | 0.000 | 479.413 | 479.413 |
| Bk. S. Abut. | 51583.289 | 0.000 | 479.431 | 479.431 |

BEAM 5

| Location | Station | Offset | Theoretical Grade Elevations | Theoretical Grade Elevations Adjusted For Dead Load Deflection |
|------------------|-----------|--------|------------------------------|--|
| Bk. N. Abut. | 51365.553 | 2.582 | 477.997 | 477.997 |
| CL Brg. N. Abut. | 51370.185 | 2.582 | 478.039 | 478.039 |
| A | 51380.185 | 2.582 | 478.128 | 478.141 |
| B | 51390.185 | 2.582 | 478.214 | 478.235 |
| C | 51400.185 | 2.582 | 478.298 | 478.318 |
| D | 51410.185 | 2.582 | 478.379 | 478.390 |
| E | 51420.185 | 2.582 | 478.458 | 478.458 |
| CL Brg. Pier 1 | 51431.435 | 2.582 | 478.544 | 478.544 |
| F | 51441.435 | 2.582 | 478.617 | 478.639 |
| G | 51451.435 | 2.582 | 478.688 | 478.742 |
| H | 51461.435 | 2.582 | 478.757 | 478.839 |
| I | 51471.435 | 2.582 | 478.823 | 478.921 |
| J | 51481.435 | 2.582 | 478.886 | 478.984 |
| K | 51491.435 | 2.582 | 478.947 | 479.027 |
| L | 51501.435 | 2.582 | 479.006 | 479.056 |
| M | 51511.435 | 2.582 | 479.062 | 479.081 |
| CL Brg. Pier 2 | 51520.435 | 2.582 | 479.110 | 479.110 |
| N | 51530.435 | 2.582 | 479.161 | 479.160 |
| O | 51540.435 | 2.582 | 479.210 | 479.219 |
| P | 51550.435 | 2.582 | 479.256 | 479.275 |
| Q | 51560.435 | 2.582 | 479.299 | 479.321 |
| R | 51570.435 | 2.582 | 479.341 | 479.355 |
| CL Brg. S. Abut. | 51581.685 | 2.582 | 479.384 | 479.384 |
| Bk. S. Abut. | 51586.303 | 2.583 | 479.401 | 479.401 |

**TOP OF SLAB ELEVATIONS
NB STRUCTURE
STRUCTURE NO. 028-0082**

| | | | | | | | |
|--|--|--------------|---|--------------------|----------|--------------|-----------|
| COOMBE-BLOXDORF P.C. Engineers / Land Surveyors Springfield, Illinois Design Firm License No. 184-002703 | PROJECT NO. 07062 | SHEET NO. 11 | F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | DATE 11/12/08 | | 57 | (28-3-1)VB-1 | FRANKLIN | 98 | 35 |
| | DESIGN BY CME/GB DRAWN BY TFG CHECKED BY CME/MCB | | 43 SHEETS | CONTRACT NO. 78068 | | | |
| | | | FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT | | | | |