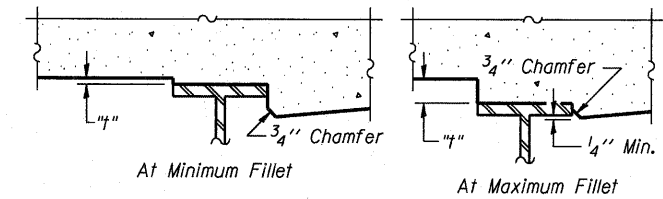


DEAD LOAD DEFLECTION DIAGRAM

(Includes weight of concrete deck, fillet, parapets and sidewalks)

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 and on sheets S5 and S6.



To determine "t": After all structural steel has been erected, elevations of the top flanges of the beams shall be taken at intervals shown below and on sheets S5 and S6. These elevations subtracted from the "Theoretical Grade Elevations Adjusted For Dead Load Deflection" shown below, minus slab thickness, equals the fillet heights "t" above top flange of beams.

FILLET HEIGHTS

BEAM 1

| Location | Station | Offset | Theoretical Grade Elevations | Theoretical Grade Elevations Adjusted For Dead Load Deflection |
|------------------|---------|--------|------------------------------|--|
| BK W. ABUT. | 4+77.41 | -16.88 | 650.93 | 650.93 |
| CL BRG. W. ABUT. | 4+79.60 | -16.88 | 650.97 | 650.97 |
| A | 4+89.60 | -16.88 | 651.14 | 651.15 |
| B | 4+99.60 | -16.88 | 651.29 | 651.31 |
| C | 5+09.60 | -16.88 | 651.43 | 651.44 |
| D | 5+19.60 | -16.88 | 651.55 | 651.56 |
| CL PIER 1 | 5+28.77 | -16.88 | 651.65 | 651.65 |
| E | 5+38.77 | -16.88 | 651.75 | 651.76 |
| F | 5+48.77 | -16.88 | 651.83 | 651.85 |
| G | 5+58.77 | -16.88 | 651.89 | 651.92 |
| H | 5+68.77 | -16.88 | 651.94 | 651.97 |
| I | 5+78.77 | -16.88 | 651.98 | 651.99 |
| CL PIER 2 | 5+90.18 | -16.88 | 652.00 | 652.00 |
| J | 6+00.18 | -16.88 | 652.01 | 652.02 |
| K | 6+10.18 | -16.88 | 652.00 | 652.02 |
| L | 6+20.18 | -16.88 | 651.97 | 652.00 |
| M | 6+30.18 | -16.88 | 651.93 | 651.96 |
| N | 6+40.18 | -16.88 | 651.88 | 651.89 |
| CL PIER 3 | 6+51.60 | -16.88 | 651.80 | 651.80 |
| O | 6+61.60 | -16.88 | 651.72 | 651.72 |
| P | 6+71.60 | -16.88 | 651.62 | 651.63 |
| R | 6+81.60 | -16.88 | 651.50 | 651.52 |
| S | 6+91.60 | -16.88 | 651.37 | 651.38 |
| CL BRG.E ABUT | 7+00.77 | -16.88 | 651.24 | 651.24 |
| BK E. ABUT | 7+02.95 | -16.88 | 651.21 | 651.21 |

BEAM 2

| Location | Station | Offset | Theoretical Grade Elevations | Theoretical Grade Elevations Adjusted For Dead Load Deflection |
|------------------|---------|--------|------------------------------|--|
| BK W. ABUT. | 4+80.37 | -10.13 | 651.09 | 651.09 |
| CL BRG. W. ABUT. | 4+82.55 | -10.13 | 651.13 | 651.13 |
| A | 4+92.55 | -10.13 | 651.29 | 651.30 |
| B | 5+02.55 | -10.13 | 651.44 | 651.46 |
| C | 5+12.55 | -10.13 | 651.57 | 651.59 |
| D | 5+22.55 | -10.13 | 651.69 | 651.70 |
| CL PIER 1 | 5+31.72 | -10.13 | 651.79 | 651.79 |
| E | 5+41.72 | -10.13 | 651.88 | 651.89 |
| F | 5+51.72 | -10.13 | 651.95 | 651.98 |
| G | 5+61.72 | -10.13 | 652.02 | 652.05 |
| H | 5+71.72 | -10.13 | 652.06 | 652.08 |
| I | 5+81.72 | -10.13 | 652.09 | 652.11 |
| CL PIER 2 | 5+93.14 | -10.13 | 652.11 | 652.11 |
| J | 6+03.14 | -10.13 | 652.11 | 652.12 |
| K | 6+13.14 | -10.13 | 652.10 | 652.12 |
| L | 6+23.14 | -10.13 | 652.07 | 652.10 |
| M | 6+33.14 | -10.13 | 652.03 | 652.05 |
| N | 6+43.14 | -10.13 | 651.97 | 651.98 |
| CL PIER 3 | 6+54.55 | -10.13 | 651.88 | 651.88 |
| O | 6+64.55 | -10.13 | 651.79 | 651.80 |
| P | 6+74.55 | -10.13 | 651.69 | 651.71 |
| R | 6+84.55 | -10.13 | 651.57 | 651.59 |
| S | 6+94.55 | -10.13 | 651.43 | 651.45 |
| CL BRG.E ABUT | 7+03.72 | -10.13 | 651.30 | 651.30 |
| BK E. ABUT | 7+05.90 | -10.13 | 651.26 | 651.26 |

BEAM 3

| Location | Station | Offset | Theoretical Grade Elevations | Theoretical Grade Elevations Adjusted For Dead Load Deflection |
|------------------|---------|--------|------------------------------|--|
| BK W. ABUT. | 4+83.32 | -3.38 | 651.24 | 651.24 |
| CL BRG. W. ABUT. | 4+85.51 | -3.38 | 651.28 | 651.28 |
| A | 4+95.51 | -3.38 | 651.44 | 651.45 |
| B | 5+05.51 | -3.38 | 651.58 | 651.60 |
| C | 5+15.51 | -3.38 | 651.71 | 651.73 |
| D | 5+25.51 | -3.38 | 651.83 | 651.84 |
| CL PIER 1 | 5+34.68 | -3.38 | 651.92 | 651.92 |
| E | 5+44.68 | -3.38 | 652.01 | 652.02 |
| F | 5+54.68 | -3.38 | 652.08 | 652.10 |
| G | 5+64.68 | -3.38 | 652.14 | 652.17 |
| H | 5+74.68 | -3.38 | 652.18 | 652.20 |
| I | 5+84.68 | -3.38 | 652.21 | 652.22 |
| CL PIER 2 | 5+96.09 | -3.38 | 652.22 | 652.22 |
| J | 6+06.09 | -3.38 | 652.22 | 652.23 |
| K | 6+16.09 | -3.38 | 652.20 | 652.22 |
| L | 6+26.09 | -3.38 | 652.16 | 652.19 |
| M | 6+36.09 | -3.38 | 652.12 | 652.14 |
| N | 6+46.09 | -3.38 | 652.05 | 652.07 |
| CL PIER 3 | 6+57.51 | -3.38 | 651.96 | 651.96 |
| O | 6+67.51 | -3.38 | 651.87 | 651.88 |
| P | 6+77.51 | -3.38 | 651.76 | 651.78 |
| R | 6+87.51 | -3.38 | 651.64 | 651.66 |
| S | 6+97.51 | -3.38 | 651.50 | 651.51 |
| CL BRG.E ABUT | 7+06.68 | -3.38 | 651.36 | 651.36 |
| BK E. ABUT | 7+08.86 | -3.38 | 651.32 | 651.32 |

Notes:

1. Work this sheet with sheets S3, S5 and S6.
2. For top of slab elevations at West Approach, see sheet S7.
3. For top of slab elevations at East Approach, see sheet S8.

E-S 7-1-10

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|---|-----------------|-----------|---|---|---|---------------------------|-------------|--------|--------------|-----------|
| FILE NAME = ...0162121-004-TOS.Elev11.dgn | DESIGNED EV | REVISED - | 800 WEST FULTON STREET CHICAGO, ILLINOIS 60611-1299 TEL 312 454 9100 FAX 312 659 1217 WWW.WWWWWWW.COM | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | TOP OF SLAB ELEVATIONS II STRUCTURE NO. 016-2121 SHEET NO. S4 OF S29 SHEETS | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| PLOT TIME = 5:16:48 PM | DRAWN JCP | REVISED - | | | | 332 | 0101.1 BR-3 | COOK | 60 | 19 |
| PLOT DATE = 6/29/2011 | CHECKED PC | REVISED - | | | | CONTRACT NO. 62421 | | | | |
| DATE 07 01 2011 | DATE 07 01 2011 | REVISED - | | | | ILLINOIS FED. AID PROJECT | | | | |