

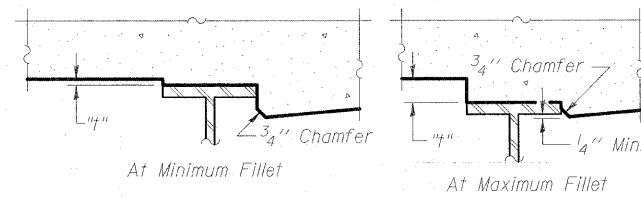
DEAD LOAD DEFLECTION DIAGRAM

(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. See SC-5 for Screed Dimension Layout.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



To determine "t": After all structural steel has been erected, elevations of the top flanges of the girders shall be taken at intervals shown below. 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 girders.

FILLET HEIGHTS

GIRDER 1

| Location | Station | Offset | Theoretical Grade Elevations | Theoretical Grade Elevations Adjusted For Dead Load Deflection |
|-------------------|-----------|--------|------------------------------|--|
| BK. W. ABUT. | 202832.77 | -33.00 | 552.88 | 552.88 |
| CL. BRG. W. ABUT. | 202837.60 | -33.00 | 552.94 | 552.94 |
| A | 202848.01 | -33.00 | 553.06 | 553.09 |
| B | 202858.42 | -33.00 | 553.17 | 553.24 |
| C | 202868.83 | -33.00 | 553.27 | 553.37 |
| D | 202879.24 | -33.00 | 553.36 | 553.48 |
| E | 202889.65 | -33.00 | 553.45 | 553.57 |
| F | 202900.06 | -33.00 | 553.53 | 553.64 |
| G | 202910.46 | -33.00 | 553.60 | 553.69 |
| H | 202920.87 | -33.00 | 553.67 | 553.73 |
| I | 202931.28 | -33.00 | 553.72 | 553.76 |
| J | 202941.69 | -33.00 | 553.77 | 553.79 |
| CL BRG. PIER | 202954.18 | -33.00 | 553.82 | 553.82 |
| K | 202964.59 | -33.00 | 553.85 | 553.85 |
| L | 202975.00 | -33.00 | 553.88 | 553.89 |
| M | 202985.41 | -33.00 | 553.89 | 553.92 |
| N | 202995.81 | -33.00 | 553.90 | 553.95 |
| O | 203006.22 | -33.00 | 553.90 | 553.96 |
| P | 203016.63 | -33.00 | 553.89 | 553.96 |
| Q | 203027.04 | -33.00 | 553.88 | 553.94 |
| R | 203037.44 | -33.00 | 553.85 | 553.91 |
| S | 203047.85 | -33.00 | 553.82 | 553.86 |
| CL. BRG. E. ABUT. | 203061.01 | -33.00 | 553.77 | 553.77 |
| BK. E. ABUT. | 203065.04 | -33.00 | 553.76 | 553.76 |

GIRDER 2

| Location | Station | Offset | Theoretical Grade Elevations | Theoretical Grade Elevations Adjusted For Dead Load Deflection |
|-------------------|-----------|--------|------------------------------|--|
| BK. W. ABUT. | 202840.99 | -23.83 | 553.53 | 553.53 |
| CL. BRG. W. ABUT. | 202845.73 | -23.83 | 553.58 | 553.58 |
| A | 202856.02 | -23.83 | 553.69 | 553.73 |
| B | 202866.31 | -23.83 | 553.80 | 553.87 |
| C | 202876.61 | -23.83 | 553.89 | 553.99 |
| D | 202886.90 | -23.83 | 553.98 | 554.09 |
| E | 202897.19 | -23.83 | 554.06 | 554.17 |
| F | 202907.48 | -23.83 | 554.13 | 554.24 |
| G | 202917.78 | -23.83 | 554.20 | 554.29 |
| H | 202928.07 | -23.83 | 554.26 | 554.32 |
| I | 202938.36 | -23.83 | 554.31 | 554.34 |
| J | 202948.65 | -23.83 | 554.35 | 554.36 |
| CL BRG. PIER | 202960.27 | -23.83 | 554.39 | 554.39 |
| K | 202970.56 | -23.83 | 554.42 | 554.42 |
| L | 202980.85 | -23.83 | 554.44 | 554.45 |
| M | 202991.14 | -23.83 | 554.45 | 554.48 |
| N | 203001.43 | -23.83 | 554.45 | 554.50 |
| O | 203011.72 | -23.83 | 554.45 | 554.51 |
| P | 203022.01 | -23.83 | 554.44 | 554.51 |
| Q | 203032.30 | -23.83 | 554.42 | 554.48 |
| R | 203042.58 | -23.83 | 554.39 | 554.44 |
| S | 203052.87 | -23.83 | 554.36 | 554.39 |
| CL. BRG. E. ABUT. | 203065.51 | -23.83 | 554.30 | 554.30 |
| BK. E. ABUT. | 203069.49 | -23.83 | 554.28 | 554.28 |

GIRDER 3

| Location | Station | Offset | Theoretical Grade Elevations | Theoretical Grade Elevations Adjusted For Dead Load Deflection |
|-------------------|-----------|--------|------------------------------|--|
| BK. W. ABUT. | 202848.97 | -14.67 | 554.17 | 554.17 |
| CL. BRG. W. ABUT. | 202853.62 | -14.67 | 554.22 | 554.22 |
| A | 202863.79 | -14.67 | 554.32 | 554.36 |
| B | 202873.97 | -14.67 | 554.42 | 554.49 |
| C | 202884.15 | -14.67 | 554.51 | 554.60 |
| D | 202894.33 | -14.67 | 554.59 | 554.70 |
| E | 202904.50 | -14.67 | 554.66 | 554.78 |
| F | 202914.68 | -14.67 | 554.73 | 554.83 |
| G | 202924.86 | -14.67 | 554.79 | 554.88 |
| H | 202935.03 | -14.67 | 554.84 | 554.90 |
| I | 202945.21 | -14.67 | 554.89 | 554.92 |
| J | 202955.39 | -14.67 | 554.93 | 554.93 |
| CL BRG. PIER | 202966.19 | -14.67 | 554.96 | 554.96 |
| K | 202976.36 | -14.67 | 554.98 | 554.98 |
| L | 202986.54 | -14.67 | 554.99 | 555.01 |
| M | 202996.71 | -14.67 | 555.00 | 555.03 |
| N | 203006.88 | -14.67 | 555.00 | 555.05 |
| O | 203017.06 | -14.67 | 554.99 | 555.06 |
| P | 203027.23 | -14.67 | 554.98 | 555.05 |
| Q | 203037.41 | -14.67 | 554.95 | 555.02 |
| R | 203047.58 | -14.67 | 554.92 | 554.98 |
| S | 203057.76 | -14.67 | 554.89 | 554.92 |
| CL. BRG. E. ABUT. | 203069.91 | -14.67 | 554.83 | 554.83 |
| BK. E. ABUT. | 203073.83 | -14.67 | 554.81 | 554.81 |

| | |
|----------|-----|
| DESIGNED | MJL |
| CHECKED | PMH |
| DRAWN | MJL |
| CHECKED | PMH |

**TOP OF SLAB ELEVATIONS
STRUCTURE NO. 099-0348**

McDonough Associates Inc.
Engineers / Architects
130 East Randolph Street
Chicago, Illinois 60601
(312) 946-8600

| | | | | | |
|--------------------------------------|-------------|--------------|--------------------|--------------|-----------|
| SHEET NO. SC-6 SHEETS SC-37 | F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | 55 | (99-1&2) R-6 | WILL | 756 | 532 |
| | | | CONTRACT NO. 60F12 | | |
| FED. ROAD DIST. NO. | | ILLINOIS | FED. AID PROJECT | | |