



**INTERIOR**                      **EXTERIOR**

To determine "f": After all structural steel has 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 Deflection" shown on Dwg. S-5 thru S-9, minus slab thickness, equals the fillet heights "f" above top flange of beams.

**FILLET HEIGHTS**

**BEAM NO. 1**

| Location        | Station     | Offset  | Theoretical Grade Elevations | Theoretical Grade Elevations Adjusted For Dead Load Deflection |
|-----------------|-------------|---------|------------------------------|--|
| Bk. N. Abut.    | 1529+11.998 | -50.151 | 472.137                      | 472.137  |
| Q Brg. N. Abut. | 1529+13.246 | -50.083 | 472.138                      | 472.138  |
| A               | 1529+23.231 | -49.544 | 472.147                      | 472.215  |
| B               | 1529+33.217 | -49.004 | 472.154                      | 472.276  |
| C               | 1529+43.202 | -48.465 | 472.159                      | 472.312  |
| D               | 1529+53.188 | -47.925 | 472.162                      | 472.319  |
| E               | 1529+63.173 | -47.385 | 472.164                      | 472.300  |
| F               | 1529+73.159 | -46.846 | 472.164                      | 472.259  |
| G               | 1529+83.144 | -46.306 | 472.162                      | 472.209  |
| H               | 1529+93.129 | -45.767 | 472.158                      | 472.169  |
| Q Brg. Pier     | 1529+98.832 | -45.458 | 472.155                      | 472.155  |
| I               | 1530+08.818 | -44.919 | 472.149                      | 472.165  |
| J               | 1530+18.803 | -44.379 | 472.140                      | 472.195  |
| K               | 1530+28.789 | -43.840 | 472.130                      | 472.227  |
| L               | 1530+38.774 | -43.300 | 472.119                      | 472.246  |
| M               | 1530+48.759 | -42.760 | 472.105                      | 472.245  |
| N               | 1530+58.745 | -42.221 | 472.090                      | 472.218  |
| O               | 1530+68.730 | -41.681 | 472.073                      | 472.163  |
| P               | 1530+78.716 | -41.142 | 472.054                      | 472.090  |
| Q Brg. S. Abut. | 1530+84.418 | -40.833 | 472.043                      | 472.043  |
| Bk. S. Abut.    | 1530+85.667 | -40.766 | 472.040                      | 472.040  |

**BEAM NO. 2**

| Location        | Station     | Offset  | Theoretical Grade Elevations | Theoretical Grade Elevations Adjusted For Dead Load Deflection |
|-----------------|-------------|---------|------------------------------|--|
| Bk. N. Abut.    | 1529+11.744 | -42.967 | 472.287                      | 472.287  |
| Q Brg. N. Abut. | 1529+12.993 | -42.917 | 472.288                      | 472.288  |
| A               | 1529+22.985 | -42.512 | 472.294                      | 472.358  |
| B               | 1529+32.977 | -42.107 | 472.298                      | 472.413  |
| C               | 1529+42.969 | -41.702 | 472.300                      | 472.445  |
| D               | 1529+52.961 | -41.298 | 472.300                      | 472.450  |
| E               | 1529+62.952 | -40.893 | 472.299                      | 472.430  |
| F               | 1529+72.944 | -40.488 | 472.296                      | 472.390  |
| G               | 1529+82.936 | -40.083 | 472.292                      | 472.340  |
| H               | 1529+92.928 | -39.679 | 472.285                      | 472.297  |
| Q Brg. Pier     | 1529+98.620 | -39.448 | 472.281                      | 472.281  |
| I               | 1530+08.612 | -39.043 | 472.271                      | 472.282  |
| J               | 1530+18.604 | -38.638 | 472.260                      | 472.301  |
| K               | 1530+28.596 | -38.234 | 472.248                      | 472.323  |
| L               | 1530+38.588 | -37.829 | 472.233                      | 472.335  |
| M               | 1530+48.579 | -37.424 | 472.217                      | 472.329  |
| N               | 1530+58.571 | -37.019 | 472.199                      | 472.302  |
| O               | 1530+68.563 | -36.615 | 472.179                      | 472.252  |
| P               | 1530+78.555 | -36.210 | 472.158                      | 472.186  |
| Q Brg. S. Abut. | 1530+84.247 | -35.979 | 472.145                      | 472.145  |
| Bk. S. Abut.    | 1530+85.496 | -35.929 | 472.142                      | 472.142  |

**BEAM NO. 3**

| Location        | Station     | Offset  | Theoretical Grade Elevations | Theoretical Grade Elevations Adjusted For Dead Load Deflection |
|-----------------|-------------|---------|------------------------------|--|
| Bk. N. Abut.    | 1529+11.491 | -35.784 | 472.437                      | 472.437  |
| Q Brg. N. Abut. | 1529+12.741 | -35.750 | 472.437                      | 472.437  |
| A               | 1529+22.737 | -35.480 | 472.440                      | 472.505  |
| B               | 1529+32.734 | -35.210 | 472.441                      | 472.557  |
| C               | 1529+42.730 | -34.940 | 472.441                      | 472.586  |
| D               | 1529+52.726 | -34.671 | 472.439                      | 472.589  |
| E               | 1529+62.723 | -34.401 | 472.435                      | 472.566  |
| F               | 1529+72.719 | -34.131 | 472.429                      | 472.522  |
| G               | 1529+82.715 | -33.861 | 472.421                      | 472.470  |
| H               | 1529+92.712 | -33.591 | 472.412                      | 472.425  |
| Q Brg. Pier     | 1529+98.409 | -33.438 | 472.406                      | 472.406  |
| I               | 1530+08.405 | -33.168 | 472.394                      | 472.405  |
| J               | 1530+18.401 | -32.898 | 472.380                      | 472.421  |
| K               | 1530+28.398 | -32.628 | 472.365                      | 472.440  |
| L               | 1530+38.394 | -32.358 | 472.348                      | 472.449  |
| M               | 1530+48.390 | -32.088 | 472.329                      | 472.441  |
| N               | 1530+58.387 | -31.818 | 472.308                      | 472.411  |
| O               | 1530+68.383 | -31.549 | 472.285                      | 472.358  |
| P               | 1530+78.379 | -31.279 | 472.261                      | 472.289  |
| Q Brg. S. Abut. | 1530+84.076 | -31.125 | 472.246                      | 472.246  |
| Bk. S. Abut.    | 1530+85.326 | -31.091 | 472.243                      | 472.243  |

**BEAM NO. 4**

| Location        | Station     | Offset  | Theoretical Grade Elevations | Theoretical Grade Elevations Adjusted For Dead Load Deflection |
|-----------------|-------------|---------|------------------------------|--|
| Bk. N. Abut.    | 1529+11.238 | -28.600 | 472.586                      | 472.586  |
| Q Brg. N. Abut. | 1529+12.488 | -28.583 | 472.586                      | 472.586  |
| A               | 1529+22.487 | -28.448 | 472.587                      | 472.651  |
| B               | 1529+32.486 | -28.314 | 472.585                      | 472.701  |
| C               | 1529+42.485 | -28.179 | 472.582                      | 472.727  |
| D               | 1529+52.485 | -28.044 | 472.577                      | 472.727  |
| E               | 1529+62.484 | -27.909 | 472.570                      | 472.701  |
| F               | 1529+72.483 | -27.774 | 472.562                      | 472.655  |
| G               | 1529+82.482 | -27.639 | 472.551                      | 472.599  |
| H               | 1529+92.481 | -27.504 | 472.539                      | 472.552  |
| Q Brg. Pier     | 1529+98.197 | -27.427 | 472.532                      | 472.532  |
| I               | 1530+08.196 | -27.292 | 472.517                      | 472.528  |
| J               | 1530+18.195 | -27.157 | 472.500                      | 472.541  |
| K               | 1530+28.194 | -27.022 | 472.482                      | 472.557  |
| L               | 1530+38.193 | -26.888 | 472.462                      | 472.563  |
| M               | 1530+48.192 | -26.753 | 472.440                      | 472.552  |
| N               | 1530+58.191 | -26.618 | 472.417                      | 472.520  |
| O               | 1530+68.190 | -26.483 | 472.391                      | 472.464  |
| P               | 1530+78.189 | -26.348 | 472.364                      | 472.393  |
| Q Brg. S. Abut. | 1530+83.905 | -26.271 | 472.348                      | 472.348  |
| Bk. S. Abut.    | 1530+85.155 | -26.254 | 472.344                      | 472.344  |

**BEAM NO. 5**

| Location        | Station     | Offset  | Theoretical Grade Elevations | Theoretical Grade Elevations Adjusted For Dead Load Deflection |
|-----------------|-------------|---------|------------------------------|--|
| Bk. N. Abut.    | 1529+10.985 | -21.417 | 472.736                      | 472.736  |
| Q Brg. N. Abut. | 1529+12.236 | -21.417 | 472.736                      | 472.736  |
| A               | 1529+22.236 | -21.417 | 472.733                      | 472.798  |
| B               | 1529+32.236 | -21.417 | 472.729                      | 472.844  |
| C               | 1529+42.236 | -21.417 | 472.723                      | 472.867  |
| D               | 1529+52.236 | -21.417 | 472.715                      | 472.864  |
| E               | 1529+62.236 | -21.417 | 472.706                      | 472.834  |
| F               | 1529+72.236 | -21.417 | 472.694                      | 472.785  |
| G               | 1529+82.236 | -21.417 | 472.681                      | 472.727  |
| H               | 1529+92.236 | -21.417 | 472.667                      | 472.678  |
| Q Brg. Pier     | 1529+97.985 | -21.417 | 472.657                      | 472.657  |
| I               | 1530+07.985 | -21.417 | 472.640                      | 472.655  |
| J               | 1530+17.985 | -21.417 | 472.620                      | 472.671  |
| K               | 1530+27.985 | -21.417 | 472.599                      | 472.689  |
| L               | 1530+37.985 | -21.417 | 472.577                      | 472.696  |
| M               | 1530+47.985 | -21.417 | 472.552                      | 472.682  |
| N               | 1530+57.985 | -21.417 | 472.526                      | 472.645  |
| O               | 1530+67.985 | -21.417 | 472.498                      | 472.582  |
| P               | 1530+77.985 | -21.417 | 472.468                      | 472.501  |
| Q Brg. S. Abut. | 1530+83.734 | -21.417 | 472.450                      | 472.450  |
| Bk. S. Abut.    | 1530+84.985 | -21.417 | 472.446                      | 472.446  |

**BEAM NO. 6**

| Location        | Station     | Offset  | Theoretical Grade Elevations | Theoretical Grade Elevations Adjusted For Dead Load Deflection |
|-----------------|-------------|---------|------------------------------|--|
| Bk. N. Abut.    | 1529+10.732 | -14.250 | 472.885                      | 472.885  |
| Q Brg. N. Abut. | 1529+11.983 | -14.250 | 472.885                      | 472.885  |
| A               | 1529+21.983 | -14.250 | 472.883                      | 472.947  |
| B               | 1529+31.983 | -14.250 | 472.878                      | 472.994  |
| C               | 1529+41.983 | -14.250 | 472.873                      | 473.017  |
| D               | 1529+51.983 | -14.250 | 472.865                      | 473.013  |
| E               | 1529+61.983 | -14.250 | 472.855                      | 472.983  |
| F               | 1529+71.983 | -14.250 | 472.844                      | 472.933  |
| G               | 1529+81.983 | -14.250 | 472.831                      | 472.874  |
| H               | 1529+91.983 | -14.250 | 472.816                      | 472.826  |
| Q Brg. Pier     | 1529+97.732 | -14.250 | 472.807                      | 472.807  |
| I               | 1530+07.732 | -14.250 | 472.790                      | 472.810  |
| J               | 1530+17.732 | -14.250 | 472.770                      | 472.832  |
| K               | 1530+27.732 | -14.250 | 472.749                      | 472.855  |
| L               | 1530+37.732 | -14.250 | 472.726                      | 472.865  |
| M               | 1530+47.732 | -14.250 | 472.702                      | 472.852  |
| N               | 1530+57.732 | -14.250 | 472.676                      | 472.813  |
| O               | 1530+67.732 | -14.250 | 472.648                      | 472.744  |
| P               | 1530+77.732 | -14.250 | 472.618                      | 472.656  |
| Q Brg. S. Abut. | 1530+83.481 | -14.250 | 472.600                      | 472.600  |
| Bk. S. Abut.    | 1530+84.732 | -14.250 | 472.596                      | 472.596  |

**NORTHBOUND STAGE CONSTRUCTION LINE**

| Location        | Station     | Offset  | Theoretical Grade Elevations | Theoretical Grade Elevations Adjusted For Dead Load Deflection |
|-----------------|-------------|---------|------------------------------|--|
| Bk. N. Abut.    | 1529+10.653 | -12.000 | 472.932                      | 472.932  |
| Q Brg. N. Abut. | 1529+11.904 | -12.000 | 472.932                      | 472.932  |
| A               | 1529+21.904 | -12.000 | 472.930                      | 472.994  |
| B               | 1529+31.904 | -12.000 | 472.925                      | 473.041  |
| C               | 1529+41.904 | -12.000 | 472.919                      | 473.064  |
| D               | 1529+51.904 | -12.000 | 472.912                      | 473.059  |
| E               | 1529+61.904 | -12.000 | 472.902                      | 473.030  |
| F               | 1529+71.904 | -12.000 | 472.891                      | 472.980  |
| G               | 1529+81.904 | -12.000 | 472.878                      | 472.921  |
| H               | 1529+91.904 | -12.000 | 472.863                      | 472.873  |
| Q Brg. Pier     | 1529+97.653 | -12.000 | 472.854                      | 472.854  |
| I               | 1530+07.653 | -12.000 | 472.837                      | 472.857  |
| J               | 1530+17.653 | -12.000 | 472.817                      | 472.879  |
| K               | 1530+27.653 | -12.000 | 472.796                      | 472.902  |
| L               | 1530+37.653 | -12.000 | 472.774                      | 472.912  |
| M               | 1530+47.653 | -12.000 | 472.749                      | 472.899  |
| N               | 1530+57.653 | -12.000 | 472.723                      | 472.860  |
| O               | 1530+67.653 | -12.000 | 472.695                      | 472.791  |
| P               | 1530+77.653 | -12.000 | 472.665                      | 472.703  |
| Q Brg. S. Abut. | 1530+83.402 | -12.000 | 472.647                      | 472.647  |
| Bk. S. Abut.    | 1530+84.653 | -12.000 | 472.643                      | 472.643  |

**TOP OF DECK ELEVATIONS**

**INTERSTATE 57 OVER**  
**WEST MAIN ST. (OLD IL RT. 13)**  
**F.A.I. RT. 57 SEC. (XI-6)HBK-2**  
**WILLIAMSON COUNTY**  
**STATION 1529+96.11**  
**STRUCTURE NO. 100-0084 (N.B.)**  
**STRUCTURE NO. 100-0085 (S.B.)**

|  |                |
|--|----------------|
| <b>DESIGN FIRM REGISTRATION</b><br>No. 184-000450  |                |
| <b>Clark Dietz</b><br>ENGINEERS  |                |
| 1817 SOUTH NEIL STREET<br>SUITE 100<br>CHAMPAIGN, IL 61820<br>PHONE : 217.373.8900<br>FAX : 217.373.8923 |                |
| NOTE: DIMENSIONAL DATA IS NOT TO BE OBTAINED BY SEALING ANY PORTION OF THIS DRAWING.                     | DRAWING NUMBER |
| DESIGNED BY: <u>SMM</u> PROJECT NO: <u>102314</u>  |                |
| DRAWN BY: <u>MEW</u> DATE: <u>05/28/06</u>   |                |
| CHECKED BY: <u>SLD</u>   |                |
| APPROVED BY: <u>SMM</u>  |                |
| ACTIVITY   | INITIALS       |

S-6