



**CAMBER DIAGRAM**

**TOP OF WEB ELEVATIONS**

(For fabrication use only)

| Girder | ℄ Brg. S. Abut. | ℄ Splice 1 | ℄ Brg. Pier 1 | ℄ Splice 2 | ℄ Splice 3 | ℄ Brg. Pier 2 | ℄ Splice 4 | ℄ Brg. Pier 3 | ℄ Splice 5 | ℄ Brg. Pier 4 | ℄ Splice 6 | ℄ Splice 7 | ℄ Brg. Pier 5 | ℄ Splice 8 | ℄ Splice 9 | ℄ Brg. N. Abut. |
|--------|-----------------|------------|---------------|------------|------------|---------------|------------|---------------|------------|---------------|------------|------------|---------------|------------|------------|-----------------|
| 1      | 594.06          | 595.44     | 596.37        | 596.88     | 597.39     | 597.82        | 598.30     | 598.45        | 598.41     | 597.78        | 597.54     | 596.34     | 595.99        | 595.15     | 594.25     | 593.72          |
| 2      | 593.96          | 595.34     | 596.29        | 596.83     | 597.39     | 597.81        | 598.30     | 598.45        | 598.41     | 597.78        | 597.51     | 596.34     | 595.99        | 595.15     | 594.23     | 593.63          |
| 3      | 593.88          | 595.32     | 596.24        | 596.75     | 597.42     | 597.84        | 598.33     | 598.48        | 598.44     | 597.81        | 597.54     | 596.39     | 596.04        | 595.18     | 594.22     | 593.58          |
| 4      | 593.90          | 595.33     | 596.29        | 596.82     | 597.55     | 597.97        | 598.45     | 598.60        | 598.57     | 597.94        | 597.69     | 596.49     | 596.15        | 595.31     | 594.31     | 593.63          |
| 5      | 593.92          | 595.38     | 596.33        | 596.87     | 597.68     | 598.10        | 598.58     | 598.73        | 598.69     | 598.06        | 597.79     | 596.64     | 596.30        | 595.44     | 594.37     | 593.68          |
| 6      | 593.93          | 595.47     | 596.38        | 596.89     | 597.81     | 598.23        | 598.70     | 598.86        | 598.82     | 598.20        | 597.94     | 596.77     | 596.43        | 595.57     | 594.46     | 593.74          |
| 7      | 593.97          | 595.48     | 596.43        | 596.96     | 597.94     | 598.35        | 598.83     | 598.99        | 598.95     | 598.32        | 598.07     | 596.86     | 596.54        | 595.71     | 594.56     | 593.79          |
| 8      | 593.99          | 595.57     | 596.48        | 596.99     | 598.07     | 598.48        | 598.96     | 599.11        | 599.08     | 598.44        | 598.16     | 597.01     | 596.69        | 595.84     | 594.66     | 593.85          |
| 9      | 594.03          | 595.58     | 596.52        | 597.05     | 598.20     | 598.60        | 599.08     | 599.24        | 599.21     | 598.57        | 598.32     | 597.13     | 596.82        | 595.97     | 594.78     | 593.91          |
| 10     | 594.07          | 595.63     | 596.57        | 597.10     | 598.33     | 598.73        | 599.21     | 599.37        | 599.34     | 598.69        | 598.42     | 597.23     | 596.93        | 596.11     | 594.89     | 593.97          |
| 11     | 594.10          | 595.70     | 596.62        | 597.13     | 598.46     | 598.86        | 599.33     | 599.49        | 599.47     | 598.83        | 598.54     | 597.37     | 597.07        | 596.24     | 594.98     | 594.03          |
| 12     | 594.22          | 595.72     | 596.67        | 597.20     | 598.59     | 598.99        | 599.46     | 599.62        | 599.59     | 598.95        | 598.70     | 597.48     | 597.19        | 596.39     | 595.06     | 594.10          |
| 13     | 594.27          | 595.81     | 596.71        | 597.22     | 598.72     | 599.11        | 599.58     | 599.75        | 599.73     | 599.08        | 598.79     | 597.60     | 597.32        | 596.53     | 595.17     | 594.16          |
| 14     | 594.29          | 595.81     | 596.72        | 597.23     | 598.82     | 599.20        | 599.67     | 599.84        | 599.82     | 599.17        | 598.88     | 597.69     | 597.41        | 596.62     | 595.24     | 594.19          |
| 15     | 594.31          | 595.77     | 596.72        | 597.26     | 598.90     | 599.28        | 599.75     | 599.92        | 599.90     | 599.25        | 598.99     | 597.76     | 597.49        | 596.72     | 595.33     | 594.21          |

**CAMBER TABLE**

| Girder | A                               | B                               | C                               | D                               | E                               | F                               | G                               | H                               | I                               | J  | K                               | L                               | M                               | N                               | O                               | P                               | Q                               | R                               |
|--------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|----|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| 1      | 0"                              | 0"                              | 0"                              | 0"                              | 0"                              | 0"                              | 1 <sup>5</sup> / <sub>8</sub> " | 1 <sup>3</sup> / <sub>4</sub> " | 1 <sup>3</sup> / <sub>8</sub> " | 1" | 1 <sup>1</sup> / <sub>4</sub> " | 1 <sup>1</sup> / <sub>8</sub> " | 1 <sup>3</sup> / <sub>4</sub> " | 2"                              | 1 <sup>1</sup> / <sub>8</sub> " | 3 <sup>4</sup> / <sub>8</sub> " | 7 <sup>6</sup> / <sub>8</sub> " | 3 <sup>4</sup> / <sub>8</sub> " |
| 2      | 0"                              | 0"                              | 0"                              | 0"                              | 0"                              | 0"                              | 1 <sup>1</sup> / <sub>2</sub> " | 1 <sup>5</sup> / <sub>8</sub> " | 1 <sup>3</sup> / <sub>8</sub> " | 1" | 1 <sup>1</sup> / <sub>4</sub> " | 1 <sup>1</sup> / <sub>8</sub> " | 1 <sup>1</sup> / <sub>8</sub> " | 2 <sup>1</sup> / <sub>8</sub> " | 1 <sup>1</sup> / <sub>2</sub> " | 7 <sup>8</sup> / <sub>8</sub> " | 3 <sup>4</sup> / <sub>8</sub> " | 3 <sup>4</sup> / <sub>8</sub> " |
| 3      | 0"                              | 0"                              | 0"                              | 0"                              | 0"                              | 0"                              | 1 <sup>1</sup> / <sub>2</sub> " | 1 <sup>5</sup> / <sub>8</sub> " | 1 <sup>3</sup> / <sub>8</sub> " | 1" | 1 <sup>1</sup> / <sub>4</sub> " | 1 <sup>1</sup> / <sub>8</sub> " | 1 <sup>1</sup> / <sub>8</sub> " | 2 <sup>1</sup> / <sub>8</sub> " | 1 <sup>1</sup> / <sub>2</sub> " | 3 <sup>4</sup> / <sub>8</sub> " | 3 <sup>4</sup> / <sub>8</sub> " | 3 <sup>4</sup> / <sub>8</sub> " |
| 4      | 0"                              | 0"                              | 0"                              | 0"                              | 0"                              | 0"                              | 1 <sup>1</sup> / <sub>2</sub> " | 1 <sup>3</sup> / <sub>4</sub> " | 1 <sup>3</sup> / <sub>8</sub> " | 1" | 1 <sup>1</sup> / <sub>4</sub> " | 1 <sup>1</sup> / <sub>8</sub> " | 1 <sup>1</sup> / <sub>8</sub> " | 2"                              | 1 <sup>1</sup> / <sub>4</sub> " | 7 <sup>8</sup> / <sub>8</sub> " | 3 <sup>4</sup> / <sub>8</sub> " | 3 <sup>4</sup> / <sub>8</sub> " |
| 5      | 3 <sup>4</sup> / <sub>4</sub> " | 3 <sup>4</sup> / <sub>4</sub> " | 7 <sup>8</sup> / <sub>8</sub> " | 0"                              | 0"                              | 0"                              | 1 <sup>1</sup> / <sub>2</sub> " | 1 <sup>3</sup> / <sub>4</sub> " | 1 <sup>3</sup> / <sub>8</sub> " | 1" | 1 <sup>1</sup> / <sub>4</sub> " | 1 <sup>1</sup> / <sub>8</sub> " | 1 <sup>1</sup> / <sub>8</sub> " | 2 <sup>1</sup> / <sub>4</sub> " | 1 <sup>1</sup> / <sub>2</sub> " | 1"                              | 1 <sup>1</sup> / <sub>8</sub> " | 1"                              |
| 6      | 3 <sup>4</sup> / <sub>4</sub> " | 3 <sup>4</sup> / <sub>4</sub> " | 3 <sup>4</sup> / <sub>4</sub> " | 7 <sup>8</sup> / <sub>8</sub> " | 1"                              | 7 <sup>8</sup> / <sub>8</sub> " | 1 <sup>1</sup> / <sub>2</sub> " | 1 <sup>5</sup> / <sub>8</sub> " | 1 <sup>3</sup> / <sub>8</sub> " | 1" | 1 <sup>1</sup> / <sub>4</sub> " | 1 <sup>1</sup> / <sub>8</sub> " | 1 <sup>1</sup> / <sub>8</sub> " | 2"                              | 1 <sup>1</sup> / <sub>4</sub> " | 1 <sup>1</sup> / <sub>8</sub> " | 1 <sup>1</sup> / <sub>4</sub> " | 1"                              |
| 7      | 3 <sup>4</sup> / <sub>4</sub> " | 1"                              | 7 <sup>8</sup> / <sub>8</sub> " | 3 <sup>4</sup> / <sub>4</sub> " | 7 <sup>8</sup> / <sub>8</sub> " | 3 <sup>4</sup> / <sub>4</sub> " | 1 <sup>1</sup> / <sub>2</sub> " | 1 <sup>5</sup> / <sub>8</sub> " | 1 <sup>3</sup> / <sub>8</sub> " | 1" | 1 <sup>1</sup> / <sub>4</sub> " | 1 <sup>1</sup> / <sub>8</sub> " | 1 <sup>1</sup> / <sub>8</sub> " | 2"                              | 1 <sup>1</sup> / <sub>4</sub> " | 1 <sup>1</sup> / <sub>8</sub> " | 1 <sup>1</sup> / <sub>4</sub> " | 1 <sup>1</sup> / <sub>8</sub> " |
| 8      | 3 <sup>4</sup> / <sub>4</sub> " | 3 <sup>4</sup> / <sub>4</sub> " | 3 <sup>4</sup> / <sub>4</sub> " | 1"                              | 1 <sup>1</sup> / <sub>8</sub> " | 1"                              | 1 <sup>1</sup> / <sub>2</sub> " | 1 <sup>5</sup> / <sub>8</sub> " | 1 <sup>3</sup> / <sub>8</sub> " | 1" | 1 <sup>1</sup> / <sub>4</sub> " | 1 <sup>1</sup> / <sub>8</sub> " | 1 <sup>1</sup> / <sub>8</sub> " | 2"                              | 1 <sup>1</sup> / <sub>4</sub> " | 1 <sup>1</sup> / <sub>8</sub> " | 1 <sup>1</sup> / <sub>8</sub> " | 1 <sup>3</sup> / <sub>8</sub> " |
| 9      | 3 <sup>4</sup> / <sub>4</sub> " | 7 <sup>8</sup> / <sub>8</sub> " | 1"                              | 3 <sup>4</sup> / <sub>4</sub> " | 1"                              | 7 <sup>8</sup> / <sub>8</sub> " | 1 <sup>3</sup> / <sub>8</sub> " | 1 <sup>5</sup> / <sub>8</sub> " | 1 <sup>1</sup> / <sub>4</sub> " | 1" | 1 <sup>1</sup> / <sub>4</sub> " | 1 <sup>1</sup> / <sub>8</sub> " | 1 <sup>1</sup> / <sub>8</sub> " | 2 <sup>1</sup> / <sub>8</sub> " | 1 <sup>1</sup> / <sub>4</sub> " | 1 <sup>1</sup> / <sub>8</sub> " | 1 <sup>1</sup> / <sub>4</sub> " | 7 <sup>8</sup> / <sub>8</sub> " |
| 10     | 3 <sup>4</sup> / <sub>4</sub> " | 3 <sup>4</sup> / <sub>4</sub> " | 1"                              | 3 <sup>4</sup> / <sub>4</sub> " | 1"                              | 7 <sup>8</sup> / <sub>8</sub> " | 1 <sup>3</sup> / <sub>8</sub> " | 1 <sup>5</sup> / <sub>8</sub> " | 1 <sup>1</sup> / <sub>4</sub> " | 1" | 1 <sup>1</sup> / <sub>4</sub> " | 1 <sup>1</sup> / <sub>8</sub> " | 2"                              | 2 <sup>1</sup> / <sub>4</sub> " | 1 <sup>1</sup> / <sub>2</sub> " | 1 <sup>1</sup> / <sub>4</sub> " | 1 <sup>3</sup> / <sub>8</sub> " | 1"                              |
| 11     | 3 <sup>4</sup> / <sub>4</sub> " | 1"                              | 3 <sup>4</sup> / <sub>4</sub> " | 1"                              | 1 <sup>1</sup> / <sub>4</sub> " | 1 <sup>1</sup> / <sub>8</sub> " | 1 <sup>3</sup> / <sub>8</sub> " | 1 <sup>1</sup> / <sub>2</sub> " | 1 <sup>1</sup> / <sub>4</sub> " | 1" | 1 <sup>1</sup> / <sub>4</sub> " | 1 <sup>1</sup> / <sub>8</sub> " | 2"                              | 2 <sup>3</sup> / <sub>8</sub> " | 1 <sup>5</sup> / <sub>8</sub> " | 1 <sup>1</sup> / <sub>4</sub> " | 1 <sup>1</sup> / <sub>2</sub> " | 1 <sup>1</sup> / <sub>4</sub> " |
| 12     | 0"                              | 0"                              | 0"                              | 3 <sup>4</sup> / <sub>4</sub> " | 1 <sup>1</sup> / <sub>8</sub> " | 1"                              | 1 <sup>3</sup> / <sub>8</sub> " | 1 <sup>1</sup> / <sub>2</sub> " | 1 <sup>1</sup> / <sub>4</sub> " | 1" | 1 <sup>1</sup> / <sub>4</sub> " | 1 <sup>1</sup> / <sub>8</sub> " | 2"                              | 2 <sup>1</sup> / <sub>8</sub> " | 1 <sup>1</sup> / <sub>4</sub> " | 1 <sup>1</sup> / <sub>2</sub> " | 1 <sup>3</sup> / <sub>8</sub> " | 1 <sup>1</sup> / <sub>2</sub> " |
| 13     | 0"                              | 0"                              | 0"                              | 1 <sup>1</sup> / <sub>8</sub> " | 1 <sup>3</sup> / <sub>8</sub> " | 1 <sup>1</sup> / <sub>4</sub> " | 1 <sup>1</sup> / <sub>4</sub> " | 1 <sup>1</sup> / <sub>2</sub> " | 1 <sup>1</sup> / <sub>4</sub> " | 1" | 1 <sup>1</sup> / <sub>4</sub> " | 1 <sup>1</sup> / <sub>8</sub> " | 2"                              | 2 <sup>3</sup> / <sub>8</sub> " | 1 <sup>5</sup> / <sub>8</sub> " | 1 <sup>5</sup> / <sub>8</sub> " | 1 <sup>1</sup> / <sub>8</sub> " | 1 <sup>1</sup> / <sub>2</sub> " |
| 14     | 0"                              | 0"                              | 0"                              | 1 <sup>1</sup> / <sub>8</sub> " | 1 <sup>3</sup> / <sub>8</sub> " | 1 <sup>1</sup> / <sub>4</sub> " | 1 <sup>1</sup> / <sub>4</sub> " | 1 <sup>3</sup> / <sub>8</sub> " | 1 <sup>1</sup> / <sub>8</sub> " | 1" | 1 <sup>1</sup> / <sub>4</sub> " | 1 <sup>1</sup> / <sub>8</sub> " | 2"                              | 2 <sup>3</sup> / <sub>8</sub> " | 1 <sup>5</sup> / <sub>8</sub> " | 1 <sup>5</sup> / <sub>8</sub> " | 2"                              | 1 <sup>5</sup> / <sub>8</sub> " |
| 15     | 0"                              | 0"                              | 0"                              | 7 <sup>8</sup> / <sub>8</sub> " | 1 <sup>1</sup> / <sub>4</sub> " | 7 <sup>8</sup> / <sub>8</sub> " | 1 <sup>1</sup> / <sub>4</sub> " | 1 <sup>3</sup> / <sub>8</sub> " | 1 <sup>1</sup> / <sub>8</sub> " | 1" | 1 <sup>1</sup> / <sub>4</sub> " | 1 <sup>1</sup> / <sub>8</sub> " | 2"                              | 2 <sup>1</sup> / <sub>8</sub> " | 1 <sup>1</sup> / <sub>4</sub> " | 1 <sup>5</sup> / <sub>8</sub> " | 1 <sup>1</sup> / <sub>8</sub> " | 1 <sup>3</sup> / <sub>8</sub> " |

4:33:20 PM 0161716-60W26-S046-SuperStruct - SteelDet2.dgn



|                               |                |         |
|-------------------------------|----------------|---------|
| USER NAME = rlschultz         | DESIGNED - WJC | REVISED |
| PLOT SCALE = 0:1.0000 ' / in. | CHECKED - DL   | REVISED |
| PLOT DATE = 9/15/2013         | DRAWN - MTS    | REVISED |
|                               | CHECKED - DL   | REVISED |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**STRUCTURAL STEEL DETAILS 2  
STRUCTURE NO. 016-1716**

SHEET NO. S2-46 OF S2-81 SHEETS

|                           |           |        |              |           |
|---------------------------|-----------|--------|--------------|-----------|
| F.A.U. RTE.               | SECTION   | COUNTY | TOTAL SHEETS | SHEET NO. |
| 3730                      | 2013-008R | COOK   | 559          | 406       |
| CONTRACT NO.              |           |        | 60W26        |           |
| ILLINOIS FED. AID PROJECT |           |        |              |           |