

**BEAM 11**

| Location        | Station   | *<br>Offset<br>(ft.) | Theoretical<br>Grade<br>Elevations | Theoretical Grade<br>Elevations Adjusted<br>For Dead Load<br>Deflection |
|-----------------|-----------|----------------------|------------------------------------|---|
| Bk. N. Abut.    | 842+94.62 | 2.00                 | 644.35                             | 644.35  |
| ⊙ Brg. N. Abut. | 842+96.06 | 2.00                 | 644.36                             | 644.36  |
| A               | 843+06.06 | 2.00                 | 644.36                             | 644.38  |
| B               | 843+16.06 | 2.00                 | 644.36                             | 644.40  |
| C               | 843+26.06 | 2.00                 | 644.36                             | 644.40  |
| D               | 843+36.06 | 2.00                 | 644.36                             | 644.39  |
| E               | 843+46.06 | 2.00                 | 644.35                             | 644.37  |
| F               | 843+56.06 | 2.00                 | 644.34                             | 644.34  |
| ⊙ Pier 1        | 843+61.87 | 2.00                 | 644.33                             | 644.33  |
| G               | 843+71.87 | 2.00                 | 644.32                             | 644.33  |
| H               | 843+81.87 | 2.00                 | 644.30                             | 644.32  |
| I               | 843+91.87 | 2.00                 | 644.27                             | 644.31  |
| J               | 844+01.87 | 2.00                 | 644.25                             | 644.29  |
| K               | 844+11.87 | 2.00                 | 644.22                             | 644.26  |
| L               | 844+21.87 | 2.00                 | 644.18                             | 644.21  |
| M               | 844+31.87 | 2.00                 | 644.15                             | 644.16  |
| ⊙ Pier 2        | 844+43.37 | 2.00                 | 644.10                             | 644.10  |
| N               | 844+53.37 | 2.00                 | 644.06                             | 644.06  |
| O               | 844+63.37 | 2.00                 | 644.01                             | 644.03  |
| P               | 844+73.37 | 2.00                 | 643.96                             | 643.99  |
| Q               | 844+83.37 | 2.00                 | 643.90                             | 643.94  |
| R               | 844+93.37 | 2.00                 | 643.84                             | 643.87  |
| S               | 845+03.37 | 2.00                 | 643.78                             | 643.79  |
| ⊙ Brg. S. Abut. | 845+09.18 | 2.00                 | 643.74                             | 643.74  |
| Bk. S. Abut.    | 845+10.62 | 2.00                 | 643.74                             | 643.74  |

**BEAM 12**

| Location        | Station   | *<br>Offset<br>(ft.) | Theoretical<br>Grade<br>Elevations | Theoretical Grade<br>Elevations Adjusted<br>For Dead Load<br>Deflection |
|-----------------|-----------|----------------------|------------------------------------|---|
| Bk. N. Abut.    | 842+98.18 | 8.17                 | 644.26                             | 644.26  |
| ⊙ Brg. N. Abut. | 842+99.62 | 8.17                 | 644.26                             | 644.26  |
| A               | 843+09.62 | 8.17                 | 644.27                             | 644.29  |
| B               | 843+19.62 | 8.17                 | 644.27                             | 644.30  |
| C               | 843+29.62 | 8.17                 | 644.27                             | 644.30  |
| D               | 843+39.62 | 8.17                 | 644.26                             | 644.29  |
| E               | 843+49.62 | 8.17                 | 644.25                             | 644.27  |
| F               | 843+59.62 | 8.17                 | 644.24                             | 644.24  |
| ⊙ Pier 1        | 843+65.43 | 8.17                 | 644.23                             | 644.23  |
| G               | 843+75.43 | 8.17                 | 644.21                             | 644.22  |
| H               | 843+85.43 | 8.17                 | 644.19                             | 644.22  |
| I               | 843+95.43 | 8.17                 | 644.17                             | 644.21  |
| J               | 844+05.43 | 8.17                 | 644.14                             | 644.19  |
| K               | 844+15.43 | 8.17                 | 644.11                             | 644.15  |
| L               | 844+25.43 | 8.17                 | 644.08                             | 644.10  |
| M               | 844+35.43 | 8.17                 | 644.04                             | 644.05  |
| ⊙ Pier 2        | 844+46.93 | 8.17                 | 643.99                             | 643.99  |
| N               | 844+56.93 | 8.17                 | 643.94                             | 643.95  |
| O               | 844+66.93 | 8.17                 | 643.89                             | 643.92  |
| P               | 844+76.93 | 8.17                 | 643.84                             | 643.88  |
| Q               | 844+86.93 | 8.17                 | 643.79                             | 643.82  |
| R               | 844+96.93 | 8.17                 | 643.73                             | 643.76  |
| S               | 845+06.93 | 8.17                 | 643.66                             | 643.68  |
| ⊙ Brg. S. Abut. | 845+12.74 | 8.17                 | 643.63                             | 643.63  |
| Bk. S. Abut.    | 845+14.18 | 8.17                 | 643.62                             | 643.62  |

**BEAM 13**

| Location        | Station   | *<br>Offset<br>(ft.) | Theoretical<br>Grade<br>Elevations | Theoretical Grade<br>Elevations Adjusted<br>For Dead Load<br>Deflection |
|-----------------|-----------|----------------------|------------------------------------|---|
| Bk. N. Abut.    | 843+01.74 | 14.33                | 644.15                             | 644.15  |
| ⊙ Brg. N. Abut. | 843+03.18 | 14.33                | 644.16                             | 644.16  |
| A               | 843+13.18 | 14.33                | 644.16                             | 644.18  |
| B               | 843+23.18 | 14.33                | 644.16                             | 644.19  |
| C               | 843+33.18 | 14.33                | 644.16                             | 644.19  |
| D               | 843+43.18 | 14.33                | 644.15                             | 644.18  |
| E               | 843+53.18 | 14.33                | 644.14                             | 644.16  |
| F               | 843+63.18 | 14.33                | 644.13                             | 644.13  |
| ⊙ Pier 1        | 843+68.99 | 14.33                | 644.12                             | 644.12  |
| G               | 843+78.99 | 14.33                | 644.10                             | 644.11  |
| H               | 843+88.99 | 14.33                | 644.08                             | 644.10  |
| I               | 843+98.99 | 14.33                | 644.05                             | 644.09  |
| J               | 844+08.99 | 14.33                | 644.02                             | 644.07  |
| K               | 844+18.99 | 14.33                | 643.99                             | 644.03  |
| L               | 844+28.99 | 14.33                | 643.95                             | 643.98  |
| M               | 844+38.99 | 14.33                | 643.91                             | 643.93  |
| ⊙ Pier 2        | 844+50.49 | 14.33                | 643.86                             | 643.86  |
| N               | 844+60.49 | 14.33                | 643.82                             | 643.83  |
| O               | 844+70.49 | 14.33                | 643.77                             | 643.79  |
| P               | 844+80.49 | 14.33                | 643.71                             | 643.75  |
| Q               | 844+90.49 | 14.33                | 643.66                             | 643.69  |
| R               | 845+00.49 | 14.33                | 643.60                             | 643.62  |
| S               | 845+10.49 | 14.33                | 643.53                             | 643.54  |
| ⊙ Brg. S. Abut. | 845+16.30 | 14.33                | 643.49                             | 643.49  |
| Bk. S. Abut.    | 845+17.74 | 14.33                | 643.48                             | 643.48  |

\* Offsets are measured from  
⊙ Rdwy. & PGL (S.B.)

**BEAM 14**

| Location        | Station   | *<br>Offset<br>(ft.) | Theoretical<br>Grade<br>Elevations | Theoretical Grade<br>Elevations Adjusted<br>For Dead Load<br>Deflection |
|-----------------|-----------|----------------------|------------------------------------|---|
| Bk. N. Abut.    | 843+05.30 | 20.50                | 644.03                             | 644.03  |
| ⊙ Brg. N. Abut. | 843+06.74 | 20.50                | 644.03                             | 644.03  |
| A               | 843+16.74 | 20.50                | 644.03                             | 644.05  |
| B               | 843+26.74 | 20.50                | 644.03                             | 644.07  |
| C               | 843+36.74 | 20.50                | 644.03                             | 644.06  |
| D               | 843+46.74 | 20.50                | 644.02                             | 644.05  |
| E               | 843+56.74 | 20.50                | 644.01                             | 644.02  |
| F               | 843+66.74 | 20.50                | 643.99                             | 644.00  |
| ⊙ Pier 1        | 843+72.55 | 20.50                | 643.98                             | 643.98  |
| G               | 843+82.55 | 20.50                | 643.96                             | 643.97  |
| H               | 843+92.55 | 20.50                | 643.94                             | 643.96  |
| I               | 844+02.55 | 20.50                | 643.91                             | 643.95  |
| J               | 844+12.55 | 20.50                | 643.88                             | 643.93  |
| K               | 844+22.55 | 20.50                | 643.85                             | 643.89  |
| L               | 844+32.55 | 20.50                | 643.81                             | 643.84  |
| M               | 844+42.55 | 20.50                | 643.77                             | 643.78  |
| ⊙ Pier 2        | 844+54.05 | 20.50                | 643.72                             | 643.72  |
| N               | 844+64.05 | 20.50                | 643.67                             | 643.68  |
| O               | 844+74.05 | 20.50                | 643.62                             | 643.64  |
| P               | 844+84.05 | 20.50                | 643.56                             | 643.60  |
| Q               | 844+94.05 | 20.50                | 643.51                             | 643.54  |
| R               | 845+04.05 | 20.50                | 643.44                             | 643.47  |
| S               | 845+14.05 | 20.50                | 643.38                             | 643.39  |
| ⊙ Brg. S. Abut. | 845+19.86 | 20.50                | 643.34                             | 643.34  |
| Bk. S. Abut.    | 845+21.30 | 20.50                | 643.33                             | 643.33  |

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|                       |         |         |         |
|-----------------------|---------|---------|---------|
| DESIGNED              | BJM     | REVISED |         |
| CHECKED               | TAY     | REVISED |         |
| DRAWN                 | MWS     | REVISED |         |
| PLOT DATE = 1/28/2013 | CHECKED | BJM     | REVISED |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TOP OF SLAB ELEVATIONS  
STRUCTURE NO. 038-0215 (S.B.)**

SHEET NO. 10 OF 38 SHEETS

|                           |                          |          |                 |              |
|---------------------------|--------------------------|----------|-----------------|--------------|
| F.A.I.<br>RTE.            | SECTION                  | COUNTY   | TOTAL<br>SHEETS | SHEET<br>NO. |
| 57                        | 141 BR(SB) & 38-1 BR(NB) | IROQUOIS | 138             | 48           |
| CONTRACT NO. 66944        |                          |          |                 |              |
| ILLINOIS FED. AID PROJECT |                          |          |                 |              |