

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

| ROUTE NO.             | SECTION    | COUNTY   | TOTAL SHEETS     | SHEET NO. |
|-----------------------|------------|----------|------------------|-----------|
| F.A.P. 351            | 2008-001VB | COOK     | 579              | 421       |
| FED. ROAD DIST. NO. 7 |            | ILLINOIS | FED. AID PROJECT |           |

SHEET NO. 11  
54 SHEETS

CONTRACT NO. 60E10

P. G. L. / CROWN / BEAM 14 (SN 016-2820)

| Location       | Station    | Offset | Theoretical Grade Elevations | Theoretical Grade Elevations Adjusted For Dead Load Deflection |
|----------------|------------|--------|------------------------------|--|
| BK. N. ABUT.   | 120057.260 | 0.000  | 619.999                      | 619.999  |
| N. END OF DECK | 120058.090 | 0.000  | 620.011                      | 620.011  |
| ☉ BRG. N. ABUT | 120059.440 | 0.000  | 620.032                      | 620.032  |
| A              | 120069.440 | 0.000  | 620.182                      | 620.197  |
| B              | 120079.440 | 0.000  | 620.326                      | 620.348  |
| C              | 120089.440 | 0.000  | 620.424                      | 620.439  |
| ☉ SPAN 1 BRG.  | 120099.250 | 0.000  | 620.467                      | 620.467  |
| ☉ PIER         | 120100.000 | 0.000  | 620.468                      | 620.468  |
| ☉ SPAN 2 BRG.  | 120100.750 | 0.000  | 620.469                      | 620.469  |
| D              | 120110.750 | 0.000  | 620.450                      | 620.492  |
| E              | 120120.750 | 0.000  | 620.376                      | 620.448  |
| F              | 120130.750 | 0.000  | 620.256                      | 620.334  |
| G              | 120140.750 | 0.000  | 620.131                      | 620.189  |
| ☉ BRG. S. ABUT | 120154.950 | 0.000  | 619.953                      | 619.953  |
| S. END OF DECK | 120156.290 | 0.000  | 619.936                      | 619.936  |
| BK. S. ABUT.   | 120157.130 | 0.000  | 619.926                      | 619.926  |

BEAM 15 (SN 016-2820)

| Location       | Station    | Offset | Theoretical Grade Elevations | Theoretical Grade Elevations Adjusted For Dead Load Deflection |
|----------------|------------|--------|------------------------------|--|
| BK. N. ABUT.   | 120057.260 | 7.160  | 619.891                      | 619.891  |
| N. END OF DECK | 120058.090 | 7.160  | 619.904                      | 619.904  |
| ☉ BRG. N. ABUT | 120059.440 | 7.160  | 619.924                      | 619.924  |
| A              | 120069.440 | 7.160  | 620.074                      | 620.090  |
| B              | 120079.440 | 7.160  | 620.219                      | 620.241  |
| C              | 120089.440 | 7.160  | 620.317                      | 620.332  |
| ☉ SPAN 1 BRG.  | 120099.250 | 7.160  | 620.360                      | 620.360  |
| ☉ PIER         | 120100.000 | 7.160  | 620.361                      | 620.361  |
| ☉ SPAN 2 BRG.  | 120100.750 | 7.160  | 620.362                      | 620.362  |
| D              | 120110.750 | 7.160  | 620.342                      | 620.385  |
| E              | 120120.750 | 7.160  | 620.268                      | 620.340  |
| F              | 120130.750 | 7.160  | 620.148                      | 620.226  |
| G              | 120140.750 | 7.160  | 620.023                      | 620.081  |
| ☉ BRG. S. ABUT | 120154.950 | 7.160  | 619.846                      | 619.846  |
| S. END OF DECK | 120156.290 | 7.160  | 619.829                      | 619.829  |
| BK. S. ABUT.   | 120157.130 | 7.160  | 619.818                      | 619.818  |

BEAM 16 (SN 016-2820)

| Location       | Station    | Offset | Theoretical Grade Elevations | Theoretical Grade Elevations Adjusted For Dead Load Deflection |
|----------------|------------|--------|------------------------------|--|
| BK. N. ABUT.   | 120057.260 | 14.330 | 619.784                      | 619.784  |
| N. END OF DECK | 120058.090 | 14.330 | 619.796                      | 619.796  |
| ☉ BRG. N. ABUT | 120059.440 | 14.330 | 619.817                      | 619.817  |
| A              | 120069.440 | 14.330 | 619.967                      | 619.982  |
| B              | 120079.440 | 14.330 | 620.111                      | 620.133  |
| C              | 120089.440 | 14.330 | 620.209                      | 620.224  |
| ☉ SPAN 1 BRG.  | 120099.250 | 14.330 | 620.252                      | 620.252  |
| ☉ PIER         | 120100.000 | 14.330 | 620.253                      | 620.253  |
| ☉ SPAN 2 BRG.  | 120100.750 | 14.330 | 620.254                      | 620.254  |
| D              | 120110.750 | 14.330 | 620.235                      | 620.277  |
| E              | 120120.750 | 14.330 | 620.161                      | 620.233  |
| F              | 120130.750 | 14.330 | 620.041                      | 620.119  |
| G              | 120140.750 | 14.330 | 619.916                      | 619.974  |
| ☉ BRG. S. ABUT | 120154.950 | 14.330 | 619.738                      | 619.738  |
| S. END OF DECK | 120156.290 | 14.330 | 619.721                      | 619.721  |
| BK. S. ABUT.   | 120157.130 | 14.330 | 619.711                      | 619.711  |

BEAM 17 (SN 016-2820)

| Location       | Station    | Offset | Theoretical Grade Elevations | Theoretical Grade Elevations Adjusted For Dead Load Deflection |
|----------------|------------|--------|------------------------------|--|
| BK. N. ABUT.   | 120057.260 | 21.500 | 619.676                      | 619.676  |
| N. END OF DECK | 120058.090 | 21.500 | 619.689                      | 619.689  |
| ☉ BRG. N. ABUT | 120059.440 | 21.500 | 619.709                      | 619.709  |
| A              | 120069.440 | 21.500 | 619.859                      | 619.875  |
| B              | 120079.440 | 21.500 | 620.004                      | 620.026  |
| C              | 120089.440 | 21.500 | 620.102                      | 620.117  |
| ☉ SPAN 1 BRG.  | 120099.250 | 21.500 | 620.145                      | 620.145  |
| ☉ PIER         | 120100.000 | 21.500 | 620.146                      | 620.146  |
| ☉ SPAN 2 BRG.  | 120100.750 | 21.500 | 620.146                      | 620.146  |
| D              | 120110.750 | 21.500 | 620.127                      | 620.170  |
| E              | 120120.750 | 21.500 | 620.053                      | 620.125  |
| F              | 120130.750 | 21.500 | 619.933                      | 620.011  |
| G              | 120140.750 | 21.500 | 619.808                      | 619.866  |
| ☉ BRG. S. ABUT | 120154.950 | 21.500 | 619.631                      | 619.631  |
| S. END OF DECK | 120156.290 | 21.500 | 619.614                      | 619.614  |
| BK. S. ABUT.   | 120157.130 | 21.500 | 619.603                      | 619.603  |

BEAM 18 (SN 016-2820)

| Location       | Station    | Offset | Theoretical Grade Elevations | Theoretical Grade Elevations Adjusted For Dead Load Deflection |
|----------------|------------|--------|------------------------------|--|
| BK. N. ABUT.   | 120057.260 | 28.660 | 619.569                      | 619.569  |
| N. END OF DECK | 120058.090 | 28.660 | 619.581                      | 619.581  |
| ☉ BRG. N. ABUT | 120059.440 | 28.660 | 619.602                      | 619.602  |
| A              | 120069.440 | 28.660 | 619.752                      | 619.767  |
| B              | 120079.440 | 28.660 | 619.896                      | 619.918  |
| C              | 120089.440 | 28.660 | 619.994                      | 620.009  |
| ☉ SPAN 1 BRG.  | 120099.250 | 28.660 | 620.037                      | 620.037  |
| ☉ PIER         | 120100.000 | 28.660 | 620.038                      | 620.038  |
| ☉ SPAN 2 BRG.  | 120100.750 | 28.660 | 620.039                      | 620.039  |
| D              | 120110.750 | 28.660 | 620.020                      | 620.062  |
| E              | 120120.750 | 28.660 | 619.946                      | 620.018  |
| F              | 120130.750 | 28.660 | 619.826                      | 619.904  |
| G              | 120140.750 | 28.660 | 619.701                      | 619.759  |
| ☉ BRG. S. ABUT | 120154.950 | 28.660 | 619.523                      | 619.523  |
| S. END OF DECK | 120156.290 | 28.660 | 619.506                      | 619.506  |
| BK. S. ABUT.   | 120157.130 | 28.660 | 619.496                      | 619.496  |

Note:  
1. Work this sheet with Sheets 6 through 10, and 12.

3/13/2008 2:52:34 PM

C:\17049\669\structures\2820\_w\_hvu\dwg\refinal\_plans\11-deck\_elev\_2820\_3r.dwg

|          |     |
|----------|-----|
| DESIGNED | EV  |
| CHECKED  | NPP |
| DRAWN    | EV  |
| CHECKED  | NPP |

| REVISIONS |      |
|-----------|------|
| NAME      | DATE |
|           |      |
|           |      |
|           |      |
|           |      |
|           |      |
|           |      |
|           |      |
|           |      |
|           |      |

ILLINOIS DEPARTMENT OF TRANSPORTATION  
US RTE 6 FROM I-294 TO IL RTE 1  
**TOP OF SLAB ELEVATION**  
SN 016-2820  
STRUCTURES FOR CN INTERMODAL  
YARD VEHICLES OVER U.S. RTE. 6 (159TH STREET)  
STATION 95+02.14 STRUCTURE NOS. 016-2820 & 016-2821  
SCALE: 1=1-0 DATE: 2/21/2008

**URS**  
100 South Wacker Drive,  
Suite 500  
Chicago, IL 60606  
(312) 939-1000