

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BEAM 7

| Location        | Station   | Offset | Theoretical<br>Grade<br>Elevations | Theoretical Grade<br>Elevations<br>Adjusted For Dead<br>Load Deflection |
|-----------------|-----------|--------|------------------------------------|-------------------------------------------------------------------------|
| Bk. W. Abut.    | 254+15.73 | -15.84 | 585.06                             | 585.06                                                                  |
| @ Brg. W. Abut. | 254+17.69 | -15.84 | 585.09                             | 585.09                                                                  |
| A               | 254+27.69 | -15.84 | 585.23                             | 585.24                                                                  |
| B               | 254+37.69 | -15.84 | 585.37                             | 585.38                                                                  |
| C               | 254+47.69 | -15.84 | 585.51                             | 585.51                                                                  |
| @ Pier 3        | 254+61.69 | -15.84 | 585.71                             | 585.71                                                                  |
| D               | 254+71.69 | -15.84 | 585.85                             | 585.87                                                                  |
| E               | 254+81.69 | -15.84 | 585.99                             | 586.04                                                                  |
| F               | 254+91.69 | -15.84 | 586.13                             | 586.20                                                                  |
| G               | 255+01.69 | -15.84 | 586.27                             | 586.35                                                                  |
| H               | 255+11.69 | -15.84 | 586.41                             | 586.47                                                                  |
| I               | 255+21.69 | -15.84 | 586.55                             | 586.58                                                                  |
| @ Pier 4        | 255+32.19 | -15.84 | 586.69                             | 586.70                                                                  |
| J               | 255+42.19 | -15.84 | 586.83                             | 586.83                                                                  |
| K               | 255+52.19 | -15.84 | 586.97                             | 586.98                                                                  |
| L               | 255+62.19 | -15.84 | 587.11                             | 587.12                                                                  |
| @ Brg. E. Abut. | 255+76.19 | -15.84 | 587.30                             | 587.30                                                                  |
| Bk. E. Abut.    | 255+78.14 | -15.84 | 587.33                             | 587.33                                                                  |

BEAM 8

| Location        | Station   | Offset | Theoretical<br>Grade<br>Elevations | Theoretical Grade<br>Elevations<br>Adjusted For Dead<br>Load Deflection |
|-----------------|-----------|--------|------------------------------------|-------------------------------------------------------------------------|
| Bk. W. Abut.    | 254+15.73 | -8.67  | 585.19                             | 585.19                                                                  |
| @ Brg. W. Abut. | 254+17.69 | -8.67  | 585.22                             | 585.22                                                                  |
| A               | 254+27.69 | -8.67  | 585.36                             | 585.37                                                                  |
| B               | 254+37.69 | -8.67  | 585.50                             | 585.51                                                                  |
| C               | 254+47.69 | -8.67  | 585.64                             | 585.64                                                                  |
| @ Pier 3        | 254+61.69 | -8.67  | 585.84                             | 585.84                                                                  |
| D               | 254+71.69 | -8.67  | 585.98                             | 586.00                                                                  |
| E               | 254+81.69 | -8.67  | 586.12                             | 586.17                                                                  |
| F               | 254+91.69 | -8.67  | 586.26                             | 586.34                                                                  |
| G               | 255+01.69 | -8.67  | 586.40                             | 586.48                                                                  |
| H               | 255+11.69 | -8.67  | 586.54                             | 586.60                                                                  |
| I               | 255+21.69 | -8.67  | 586.68                             | 586.72                                                                  |
| @ Pier 4        | 255+32.19 | -8.67  | 586.82                             | 586.83                                                                  |
| J               | 255+42.19 | -8.67  | 586.96                             | 586.96                                                                  |
| K               | 255+52.19 | -8.67  | 587.11                             | 587.11                                                                  |
| L               | 255+62.19 | -8.67  | 587.24                             | 587.25                                                                  |
| @ Brg. E. Abut. | 255+76.19 | -8.67  | 587.44                             | 587.44                                                                  |
| Bk. E. Abut.    | 255+78.14 | -8.67  | 587.46                             | 587.46                                                                  |

BEAM 9

| Location        | Station   | Offset | Theoretical<br>Grade<br>Elevations | Theoretical Grade<br>Elevations<br>Adjusted For Dead<br>Load Deflection |
|-----------------|-----------|--------|------------------------------------|-------------------------------------------------------------------------|
| Bk. W. Abut.    | 254+15.73 | -1.50  | 585.31                             | 585.31                                                                  |
| @ Brg. W. Abut. | 254+17.69 | -1.50  | 585.33                             | 585.33                                                                  |
| A               | 254+27.69 | -1.50  | 585.47                             | 585.48                                                                  |
| B               | 254+37.69 | -1.50  | 585.61                             | 585.62                                                                  |
| C               | 254+47.69 | -1.50  | 585.75                             | 585.76                                                                  |
| @ Pier 3        | 254+61.69 | -1.50  | 585.95                             | 585.95                                                                  |
| D               | 254+71.69 | -1.50  | 586.09                             | 586.11                                                                  |
| E               | 254+81.69 | -1.50  | 586.23                             | 586.28                                                                  |
| F               | 254+91.69 | -1.50  | 586.37                             | 586.45                                                                  |
| G               | 255+01.69 | -1.50  | 586.51                             | 586.59                                                                  |
| H               | 255+11.69 | -1.50  | 586.65                             | 586.72                                                                  |
| I               | 255+21.69 | -1.50  | 586.79                             | 586.83                                                                  |
| @ Pier 4        | 255+32.19 | -1.50  | 586.94                             | 586.94                                                                  |
| J               | 255+42.19 | -1.50  | 587.08                             | 587.07                                                                  |
| K               | 255+52.19 | -1.50  | 587.22                             | 587.22                                                                  |
| L               | 255+62.19 | -1.50  | 587.36                             | 587.36                                                                  |
| @ Brg. E. Abut. | 255+76.19 | -1.50  | 587.55                             | 587.55                                                                  |
| Bk. E. Abut.    | 255+78.14 | -1.50  | 587.57                             | 587.57                                                                  |

@ E.B. ROADWAY AND P.G.L.

| Location        | Station   | Offset | Theoretical<br>Grade<br>Elevations | Theoretical Grade<br>Elevations<br>Adjusted For Dead<br>Load Deflection |
|-----------------|-----------|--------|------------------------------------|-------------------------------------------------------------------------|
| Bk. W. Abut.    | 254+15.73 | 0.00   | 585.33                             | 585.33                                                                  |
| @ Brg. W. Abut. | 254+17.69 | 0.00   | 585.36                             | 585.36                                                                  |
| A               | 254+27.69 | 0.00   | 585.50                             | 585.50                                                                  |
| B               | 254+37.69 | 0.00   | 585.64                             | 585.64                                                                  |
| C               | 254+47.69 | 0.00   | 585.78                             | 585.78                                                                  |
| @ Pier 3        | 254+61.69 | 0.00   | 585.97                             | 585.97                                                                  |
| D               | 254+71.69 | 0.00   | 586.11                             | 586.13                                                                  |
| E               | 254+81.69 | 0.00   | 586.25                             | 586.31                                                                  |
| F               | 254+91.69 | 0.00   | 586.39                             | 586.47                                                                  |
| G               | 255+01.69 | 0.00   | 586.53                             | 586.62                                                                  |
| H               | 255+11.69 | 0.00   | 586.67                             | 586.74                                                                  |
| I               | 255+21.69 | 0.00   | 586.81                             | 586.85                                                                  |
| @ Pier 4        | 255+32.19 | 0.00   | 586.96                             | 586.96                                                                  |
| J               | 255+42.19 | 0.00   | 587.10                             | 587.10                                                                  |
| K               | 255+52.19 | 0.00   | 587.24                             | 587.24                                                                  |
| L               | 255+62.19 | 0.00   | 587.38                             | 587.39                                                                  |
| @ Brg. E. Abut. | 255+76.19 | 0.00   | 587.57                             | 587.57                                                                  |
| Bk. E. Abut.    | 255+78.14 | 0.00   | 587.60                             | 587.60                                                                  |

Note:  
Offset is measured from @ E.B. Roadway & PGL.  
Negative number indicates north of @. Positive number  
indicates south of @.

E.B. ROADWAY - TOP OF SLAB ELEVATIONS  
STRUCTURE NO. 081-0022 (E.B.)  
STRUCTURE NO. 081-0023 (W.B.)

|          |     |
|----------|-----|
| DESIGNED | LC  |
| CHECKED  | MCT |
| DRAWN    | LC  |
| CHECKED  | MCT |



INFRASTRUCTURE  
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| SHEET NO. | F.A.I.<br>RTE. | SECTION               | COUNTY             | TOTAL<br>SHEETS  | SHEET<br>NO. |
|-----------|----------------|-----------------------|--------------------|------------------|--------------|
|           |                |                       |                    |                  |              |
| 7         | 280            | 81-1(HB-2)R           | ROCK ISLAND        | 503              | 289          |
| 54 SHEETS |                |                       | CONTRACT NO. 64815 |                  |              |
|           |                | FED. ROAD DIST. NO. - | ILLINOIS           | FED. AID PROJECT |              |