

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

|                       |             |          |                  |           |
|-----------------------|-------------|----------|------------------|-----------|
| 68201                 |             |          |                  |           |
| ROUTE NO.             | SECTION     | COUNTY   | TOTAL SHEETS     | SHEET NO. |
| F.A.I. 74             | (90-14HB)BR | TAZEWELL | 1366             | 522       |
| FED. ROAD DIST. NO. 7 |             | ILLINOIS | FED. AID PROJECT |           |

**BEAM 1**

| Location       | Station       | Offset (m) | Theoretical Grade Elevations | Theoretical Grade Elevations Adjusted For Dead Load Deflection |
|----------------|---------------|------------|------------------------------|--|
| BK. OF N. ABUT | 153 + 828.180 | -13.097    | 152.199                      | 152.199  |
| CL N. ABUT     | 153 + 828.630 | -13.106    | 152.192                      | 152.192  |
| A              | 153 + 831.629 | -13.164    | 152.147                      | 152.151  |
| B              | 153 + 834.629 | -13.222    | 152.101                      | 152.109  |
| C              | 153 + 837.628 | -13.280    | 152.056                      | 152.067  |
| D              | 153 + 840.628 | -13.338    | 152.010                      | 152.023  |
| E              | 153 + 843.627 | -13.396    | 151.964                      | 151.978  |
| F              | 153 + 846.627 | -13.454    | 151.919                      | 151.931  |
| G              | 153 + 849.626 | -13.512    | 151.873                      | 151.883  |
| H              | 153 + 852.625 | -13.570    | 151.828                      | 151.833  |
| CL N. BRG PIER | 153 + 856.455 | -13.644    | 151.770                      | 151.770  |
| CL PIER        | 153 + 856.680 | -13.648    | 151.766                      | 151.766  |
| CL S. BRG PIER | 153 + 856.905 | -13.653    | 151.763                      | 151.763  |
| I              | 153 + 859.904 | -13.711    | 151.717                      | 151.726  |
| J              | 153 + 862.904 | -13.769    | 151.672                      | 151.689  |
| K              | 153 + 865.903 | -13.827    | 151.626                      | 151.650  |
| L              | 153 + 868.903 | -13.885    | 151.581                      | 151.610  |
| M              | 153 + 871.902 | -13.943    | 151.535                      | 151.568  |
| N              | 153 + 874.902 | -14.001    | 151.490                      | 151.523  |
| O              | 153 + 877.901 | -14.059    | 151.444                      | 151.476  |
| P              | 153 + 880.900 | -14.117    | 151.398                      | 151.426  |
| Q              | 153 + 883.900 | -14.175    | 151.353                      | 151.376  |
| R              | 153 + 886.899 | -14.233    | 151.307                      | 151.321  |
| S              | 153 + 889.899 | -14.291    | 151.262                      | 151.267  |
| CL S. ABUT     | 153 + 891.730 | -14.326    | 151.234                      | 151.234  |
| BK. OF S. ABUT | 153 + 892.180 | -14.335    | 151.227                      | 151.227  |

**BEAM 2**

| Location       | Station       | Offset (m) | Theoretical Grade Elevations | Theoretical Grade Elevations Adjusted For Dead Load Deflection |
|----------------|---------------|------------|------------------------------|--|
| BK. OF N. ABUT | 153 + 828.180 | -11.203    | 152.237                      | 152.237  |
| CL N. ABUT     | 153 + 828.630 | -11.203    | 152.230                      | 152.230  |
| A              | 153 + 831.630 | -11.203    | 152.186                      | 152.190  |
| B              | 153 + 834.630 | -11.203    | 152.141                      | 152.150  |
| C              | 153 + 837.630 | -11.203    | 152.097                      | 152.109  |
| D              | 153 + 840.630 | -11.203    | 152.053                      | 152.066  |
| E              | 153 + 843.630 | -11.203    | 152.008                      | 152.022  |
| F              | 153 + 846.630 | -11.203    | 151.964                      | 151.976  |
| G              | 153 + 849.630 | -11.203    | 151.919                      | 151.929  |
| H              | 153 + 852.630 | -11.203    | 151.875                      | 151.881  |
| CL N. BRG PIER | 153 + 856.455 | -11.203    | 151.818                      | 151.818  |
| CL PIER        | 153 + 856.680 | -11.203    | 151.815                      | 151.815  |
| CL S. BRG PIER | 153 + 856.905 | -11.203    | 151.812                      | 151.812  |
| I              | 153 + 859.905 | -11.203    | 151.767                      | 151.776  |
| J              | 153 + 862.905 | -11.203    | 151.723                      | 151.740  |
| K              | 153 + 865.905 | -11.203    | 151.679                      | 151.703  |
| L              | 153 + 868.905 | -11.203    | 151.634                      | 151.664  |
| M              | 153 + 871.905 | -11.203    | 151.590                      | 151.622  |
| N              | 153 + 874.905 | -11.203    | 151.545                      | 151.579  |
| O              | 153 + 877.905 | -11.203    | 151.501                      | 151.533  |
| P              | 153 + 880.905 | -11.203    | 151.457                      | 151.485  |
| Q              | 153 + 883.905 | -11.203    | 151.412                      | 151.435  |
| R              | 153 + 886.905 | -11.203    | 151.368                      | 151.382  |
| S              | 153 + 889.905 | -11.203    | 151.323                      | 151.329  |
| CL S. ABUT     | 153 + 891.730 | -11.203    | 151.296                      | 151.296  |
| BK. OF S. ABUT | 153 + 892.180 | -11.203    | 151.290                      | 151.290  |

**BEAM 3**

| Location       | Station       | Offset (m) | Theoretical Grade Elevations | Theoretical Grade Elevations Adjusted For Dead Load Deflection |
|----------------|---------------|------------|------------------------------|--|
| BK. OF N. ABUT | 153 + 828.180 | -8.503     | 152.291                      | 152.291  |
| CL N. ABUT     | 153 + 828.630 | -8.503     | 152.284                      | 152.284  |
| A              | 153 + 831.630 | -8.503     | 152.240                      | 152.244  |
| B              | 153 + 834.630 | -8.503     | 152.195                      | 152.204  |
| C              | 153 + 837.630 | -8.503     | 152.151                      | 152.163  |
| D              | 153 + 840.630 | -8.503     | 152.107                      | 152.120  |
| E              | 153 + 843.630 | -8.503     | 152.062                      | 152.076  |
| F              | 153 + 846.630 | -8.503     | 152.018                      | 152.030  |
| G              | 153 + 849.630 | -8.503     | 151.973                      | 151.983  |
| H              | 153 + 852.630 | -8.503     | 151.929                      | 151.935  |
| CL N. BRG PIER | 153 + 856.455 | -8.503     | 151.872                      | 151.872  |
| CL PIER        | 153 + 856.680 | -8.503     | 151.869                      | 151.869  |
| CL S. BRG PIER | 153 + 856.905 | -8.503     | 151.866                      | 151.866  |
| I              | 153 + 859.905 | -8.503     | 151.821                      | 151.830  |
| J              | 153 + 862.905 | -8.503     | 151.777                      | 151.794  |
| K              | 153 + 865.905 | -8.503     | 151.733                      | 151.757  |
| L              | 153 + 868.905 | -8.503     | 151.688                      | 151.718  |
| M              | 153 + 871.905 | -8.503     | 151.644                      | 151.676  |
| N              | 153 + 874.905 | -8.503     | 151.599                      | 151.633  |
| O              | 153 + 877.905 | -8.503     | 151.555                      | 151.587  |
| P              | 153 + 880.905 | -8.503     | 151.511                      | 151.539  |
| Q              | 153 + 883.905 | -8.503     | 151.466                      | 151.489  |
| R              | 153 + 886.905 | -8.503     | 151.422                      | 151.436  |
| S              | 153 + 889.905 | -8.503     | 151.377                      | 151.383  |
| CL S. ABUT     | 153 + 891.730 | -8.503     | 151.350                      | 151.350  |
| BK. OF S. ABUT | 153 + 892.180 | -8.503     | 151.344                      | 151.344  |

**BEAM 4**

| Location       | Station       | Offset (m) | Theoretical Grade Elevations | Theoretical Grade Elevations Adjusted For Dead Load Deflection |
|----------------|---------------|------------|------------------------------|--|
| BK. OF N. ABUT | 153 + 828.180 | -5.803     | 152.338                      | 152.338  |
| CL N. ABUT     | 153 + 828.630 | -5.803     | 152.331                      | 152.331  |
| A              | 153 + 831.630 | -5.803     | 152.287                      | 152.291  |
| B              | 153 + 834.630 | -5.803     | 152.242                      | 152.251  |
| C              | 153 + 837.630 | -5.803     | 152.198                      | 152.210  |
| D              | 153 + 840.630 | -5.803     | 152.154                      | 152.167  |
| E              | 153 + 843.630 | -5.803     | 152.109                      | 152.123  |
| F              | 153 + 846.630 | -5.803     | 152.065                      | 152.077  |
| G              | 153 + 849.630 | -5.803     | 152.020                      | 152.030  |
| H              | 153 + 852.630 | -5.803     | 151.976                      | 151.982  |
| CL N. BRG PIER | 153 + 856.455 | -5.803     | 151.919                      | 151.919  |
| CL PIER        | 153 + 856.680 | -5.803     | 151.916                      | 151.916  |
| CL S. BRG PIER | 153 + 856.905 | -5.803     | 151.913                      | 151.913  |
| I              | 153 + 859.905 | -5.803     | 151.868                      | 151.877  |
| J              | 153 + 862.905 | -5.803     | 151.824                      | 151.841  |
| K              | 153 + 865.905 | -5.803     | 151.780                      | 151.804  |
| L              | 153 + 868.905 | -5.803     | 151.735                      | 151.765  |
| M              | 153 + 871.905 | -5.803     | 151.691                      | 151.723  |
| N              | 153 + 874.905 | -5.803     | 151.646                      | 151.680  |
| O              | 153 + 877.905 | -5.803     | 151.602                      | 151.634  |
| P              | 153 + 880.905 | -5.803     | 151.558                      | 151.586  |
| Q              | 153 + 883.905 | -5.803     | 151.513                      | 151.536  |
| R              | 153 + 886.905 | -5.803     | 151.469                      | 151.483  |
| S              | 153 + 889.905 | -5.803     | 151.424                      | 151.430  |
| CL S. ABUT     | 153 + 891.730 | -5.803     | 151.397                      | 151.397  |
| BK. OF S. ABUT | 153 + 892.180 | -5.803     | 151.391                      | 151.391  |

**WESTBOUND F.A.I. - 74**

| Location       | Station       | Offset (m) | Theoretical Grade Elevations | Theoretical Grade Elevations Adjusted For Dead Load Deflection |
|----------------|---------------|------------|------------------------------|--|
| BK. OF N. ABUT | 153 + 828.180 | -3.600     | 152.371                      | 152.371  |
| CL N. ABUT     | 153 + 828.630 | -3.600     | 152.364                      | 152.364  |
| A              | 153 + 831.630 | -3.600     | 152.320                      | 152.325  |
| B              | 153 + 834.630 | -3.600     | 152.276                      | 152.284  |
| C              | 153 + 837.630 | -3.600     | 152.231                      | 152.243  |
| D              | 153 + 840.630 | -3.600     | 152.187                      | 152.200  |
| E              | 153 + 843.630 | -3.600     | 152.142                      | 152.156  |
| F              | 153 + 846.630 | -3.600     | 152.098                      | 152.110  |
| G              | 153 + 849.630 | -3.600     | 152.054                      | 152.063  |
| H              | 153 + 852.630 | -3.600     | 152.009                      | 152.015  |
| CL N. BRG PIER | 153 + 856.455 | -3.600     | 151.953                      | 151.953  |
| CL PIER        | 153 + 856.680 | -3.600     | 151.949                      | 151.949  |
| CL S. BRG PIER | 153 + 856.905 | -3.600     | 151.946                      | 151.946  |
| I              | 153 + 859.905 | -3.600     | 151.901                      | 151.910  |
| J              | 153 + 862.905 | -3.600     | 151.857                      | 151.874  |
| K              | 153 + 865.905 | -3.600     | 151.813                      | 151.837  |
| L              | 153 + 868.905 | -3.600     | 151.768                      | 151.798  |
| M              | 153 + 871.905 | -3.600     | 151.724                      | 151.756  |
| N              | 153 + 874.905 | -3.600     | 151.679                      | 151.713  |
| O              | 153 + 877.905 | -3.600     | 151.635                      | 151.667  |
| P              | 153 + 880.905 | -3.600     | 151.591                      | 151.619  |
| Q              | 153 + 883.905 | -3.600     | 151.546                      | 151.569  |
| R              | 153 + 886.905 | -3.600     | 151.502                      | 151.516  |
| S              | 153 + 889.905 | -3.600     | 151.457                      | 151.463  |
| CL S. ABUT     | 153 + 891.730 | -3.600     | 151.430                      | 151.430  |
| BK. OF S. ABUT | 153 + 892.180 | -3.600     | 151.424                      | 151.424  |

All stations and elevations are in meters.

**TOP OF SLAB ELEVATIONS**

|              |  |   |            |
|--------------|--|---|------------|
| Date         | Designed TDN   | INTERSTATE 74 AND RAMPS L-1 AND L-4 OVER<br>E. WASHINGTON STREET<br>F.A.I. RTE. 74 SECTION (90-14HB)BR<br>TAZEWELL COUNTY<br>STATION 153+868.540<br>STRUCTURE NO. 090-0163 (WB) | Sheet No.  |
| Revisions    | Drawn BKN  |   | 5<br>of 28 |
|              | Checked DCS  |   |            |
|              | Approved KWB   |   |            |
|              |  |   |            |
| Prepared By: | <b>URS</b> 3040 North University Avenue<br>Decatur, IL 62526 | URS Job No.<br>2100001243.01  |            |