

**BEAM #1**

| Location       | Station | Offset | Theoretical Grade Elevations | Theoretical Grade Elevations Adjusted For Dead Load Deflections |
|----------------|---------|--------|------------------------------|---|
| Bk W. Abutment | 4308.99 | -16.04 | 640.41                       | 640.41  |
| CL Brg W. Abut | 4310.24 | -16.04 | 640.42                       | 640.42  |
| A              | 4320.24 | -16.04 | 640.52                       | 640.54  |
| B              | 4330.24 | -16.04 | 640.63                       | 640.66  |
| C              | 4340.24 | -16.04 | 640.75                       | 640.78  |
| D              | 4350.24 | -16.04 | 640.88                       | 640.90  |
| CL Brg         | 4356.91 | -16.04 | 640.98                       | 640.98  |
| CL Pier 1      | 4357.91 | -16.04 | 640.99                       | 640.99  |
| CL Brg         | 4358.91 | -16.04 | 641.01                       | 641.01  |
| E              | 4368.91 | -16.04 | 641.16                       | 641.17  |
| F              | 4378.91 | -16.04 | 641.32                       | 641.34  |
| G              | 4388.91 | -16.04 | 641.49                       | 641.51  |
| H              | 4398.91 | -16.04 | 641.67                       | 641.68  |
| CL Brg         | 4405.57 | -16.04 | 641.79                       | 641.79  |
| CL Pier 2      | 4406.57 | -16.04 | 641.81                       | 641.81  |
| CL Brg         | 4407.57 | -16.04 | 641.83                       | 641.83  |
| I              | 4417.57 | -16.04 | 642.03                       | 642.05  |
| J              | 4427.57 | -16.04 | 642.24                       | 642.26  |
| K              | 4437.57 | -16.04 | 642.46                       | 642.48  |
| L              | 4447.57 | -16.04 | 642.69                       | 642.70  |
| CL Brg E. Abut | 4454.24 | -16.04 | 642.84                       | 642.84  |
| Bk E. Abutment | 4455.49 | -16.04 | 642.87                       | 642.87  |

**BEAM #2**

| Location       | Station | Offset | Theoretical Grade Elevations | Theoretical Grade Elevations Adjusted For Dead Load Deflections |
|----------------|---------|--------|------------------------------|---|
| Bk W. Abutment | 4308.99 | -9.63  | 640.53                       | 640.53  |
| CL Brg W. Abut | 4310.24 | -9.63  | 640.54                       | 640.54  |
| A              | 4320.24 | -9.63  | 640.64                       | 640.66  |
| B              | 4330.24 | -9.63  | 640.75                       | 640.78  |
| C              | 4340.24 | -9.63  | 640.87                       | 640.90  |
| D              | 4350.24 | -9.63  | 641.01                       | 641.02  |
| CL Brg         | 4356.91 | -9.63  | 641.10                       | 641.10  |
| CL Pier 1      | 4357.91 | -9.63  | 641.11                       | 641.11  |
| CL Brg         | 4358.91 | -9.63  | 641.13                       | 641.13  |
| E              | 4368.91 | -9.63  | 641.28                       | 641.29  |
| F              | 4378.91 | -9.63  | 641.44                       | 641.46  |
| G              | 4388.91 | -9.63  | 641.61                       | 641.63  |
| H              | 4398.91 | -9.63  | 641.79                       | 641.80  |
| CL Brg         | 4405.57 | -9.63  | 641.91                       | 641.91  |
| CL Pier 2      | 4406.57 | -9.63  | 641.93                       | 641.93  |
| CL Brg         | 4407.57 | -9.63  | 641.95                       | 641.95  |
| I              | 4417.57 | -9.63  | 642.15                       | 642.17  |
| J              | 4427.57 | -9.63  | 642.36                       | 642.39  |
| K              | 4437.57 | -9.63  | 642.58                       | 642.60  |
| L              | 4447.57 | -9.63  | 642.81                       | 642.82  |
| CL Brg E. Abut | 4454.24 | -9.63  | 642.97                       | 642.97  |
| Bk E. Abutment | 4455.49 | -9.63  | 643.00                       | 643.00  |

**BEAM #3**

| Location       | Station | Offset | Theoretical Grade Elevations | Theoretical Grade Elevations Adjusted For Dead Load Deflections |
|----------------|---------|--------|------------------------------|---|
| Bk W. Abutment | 4308.99 | -3.21  | 640.63                       | 640.63  |
| CL Brg W. Abut | 4310.24 | -3.21  | 640.64                       | 640.64  |
| A              | 4320.24 | -3.21  | 640.74                       | 640.76  |
| B              | 4330.24 | -3.21  | 640.85                       | 640.88  |
| C              | 4340.24 | -3.21  | 640.97                       | 641.00  |
| D              | 4350.24 | -3.21  | 641.11                       | 641.12  |
| CL Brg         | 4356.91 | -3.21  | 641.20                       | 641.20  |
| CL Pier 1      | 4357.91 | -3.21  | 641.21                       | 641.21  |
| CL Brg         | 4358.91 | -3.21  | 641.23                       | 641.23  |
| E              | 4368.91 | -3.21  | 641.38                       | 641.39  |
| F              | 4378.91 | -3.21  | 641.54                       | 641.56  |
| G              | 4388.91 | -3.21  | 641.71                       | 641.73  |
| H              | 4398.91 | -3.21  | 641.89                       | 641.90  |
| CL Brg         | 4405.57 | -3.21  | 642.01                       | 642.01  |
| CL Pier 2      | 4406.57 | -3.21  | 642.03                       | 642.03  |
| CL Brg         | 4407.57 | -3.21  | 642.05                       | 642.05  |
| I              | 4417.57 | -3.21  | 642.25                       | 642.27  |
| J              | 4427.57 | -3.21  | 642.46                       | 642.49  |
| K              | 4437.57 | -3.21  | 642.68                       | 642.70  |
| L              | 4447.57 | -3.21  | 642.91                       | 642.92  |
| CL Brg E. Abut | 4454.24 | -3.21  | 643.07                       | 643.07  |
| Bk E. Abutment | 4455.49 | -3.21  | 643.10                       | 643.10  |

**RDWY. & P.G.L.**

| Location       | Station | Offset | Theoretical Grade Elevations | Theoretical Grade Elevations Adjusted For Dead Load Deflections |
|----------------|---------|--------|------------------------------|---|
| Bk W. Abutment | 4308.99 | 0.00   | 640.68                       | 640.68  |
| CL Brg W. Abut | 4310.24 | 0.00   | 640.69                       | 640.69  |
| A              | 4320.24 | 0.00   | 640.79                       | 640.81  |
| B              | 4330.24 | 0.00   | 640.90                       | 640.93  |
| C              | 4340.24 | 0.00   | 641.02                       | 641.05  |
| D              | 4350.24 | 0.00   | 641.16                       | 641.17  |
| CL Brg         | 4356.91 | 0.00   | 641.25                       | 641.25  |
| CL Pier 1      | 4357.91 | 0.00   | 641.26                       | 641.26  |
| CL Brg         | 4358.91 | 0.00   | 641.28                       | 641.28  |
| E              | 4368.91 | 0.00   | 641.43                       | 641.44  |
| F              | 4378.91 | 0.00   | 641.59                       | 641.61  |
| G              | 4388.91 | 0.00   | 641.76                       | 641.78  |
| H              | 4398.91 | 0.00   | 641.94                       | 641.95  |
| CL Brg         | 4405.57 | 0.00   | 642.06                       | 642.06  |
| CL Pier 2      | 4406.57 | 0.00   | 642.08                       | 642.08  |
| CL Brg         | 4407.57 | 0.00   | 642.10                       | 642.10  |
| I              | 4417.57 | 0.00   | 642.30                       | 642.32  |
| J              | 4427.57 | 0.00   | 642.51                       | 642.54  |
| K              | 4437.57 | 0.00   | 642.73                       | 642.75  |
| L              | 4447.57 | 0.00   | 642.96                       | 642.97  |
| CL Brg E. Abut | 4454.24 | 0.00   | 643.12                       | 643.12  |
| Bk E. Abutment | 4455.49 | 0.00   | 643.15                       | 643.15  |

**BEAM #4**

| Location       | Station | Offset | Theoretical Grade Elevations | Theoretical Grade Elevations Adjusted For Dead Load Deflections |
|----------------|---------|--------|------------------------------|---|
| Bk W. Abutment | 4308.99 | 3.21   | 640.63                       | 640.63  |
| CL Brg W. Abut | 4310.24 | 3.21   | 640.64                       | 640.64  |
| A              | 4320.24 | 3.21   | 640.74                       | 640.76  |
| B              | 4330.24 | 3.21   | 640.85                       | 640.88  |
| C              | 4340.24 | 3.21   | 640.97                       | 641.00  |
| D              | 4350.24 | 3.21   | 641.11                       | 641.12  |
| CL Brg         | 4356.91 | 3.21   | 641.20                       | 641.20  |
| CL Pier 1      | 4357.91 | 3.21   | 641.21                       | 641.21  |
| CL Brg         | 4358.91 | 3.21   | 641.23                       | 641.23  |
| E              | 4368.91 | 3.21   | 641.38                       | 641.39  |
| F              | 4378.91 | 3.21   | 641.54                       | 641.56  |
| G              | 4388.91 | 3.21   | 641.71                       | 641.73  |
| H              | 4398.91 | 3.21   | 641.89                       | 641.90  |
| CL Brg         | 4405.57 | 3.21   | 642.01                       | 642.01  |
| CL Pier 2      | 4406.57 | 3.21   | 642.03                       | 642.03  |
| CL Brg         | 4407.57 | 3.21   | 642.05                       | 642.05  |
| I              | 4417.57 | 3.21   | 642.25                       | 642.27  |
| J              | 4427.57 | 3.21   | 642.46                       | 642.49  |
| K              | 4437.57 | 3.21   | 642.68                       | 642.70  |
| L              | 4447.57 | 3.21   | 642.91                       | 642.92  |
| CL Brg E. Abut | 4454.24 | 3.21   | 643.07                       | 643.07  |
| Bk E. Abutment | 4455.49 | 3.21   | 643.10                       | 643.10  |

**BEAM #5**

| Location       | Station | Offset | Theoretical Grade Elevations | Theoretical Grade Elevations Adjusted For Dead Load Deflections |
|----------------|---------|--------|------------------------------|---|
| Bk W. Abutment | 4308.99 | 9.63   | 640.53                       | 640.53  |
| CL Brg W. Abut | 4310.24 | 9.63   | 640.54                       | 640.54  |
| A              | 4320.24 | 9.63   | 640.64                       | 640.66  |
| B              | 4330.24 | 9.63   | 640.75                       | 640.78  |
| C              | 4340.24 | 9.63   | 640.87                       | 640.90  |
| D              | 4350.24 | 9.63   | 641.01                       | 641.02  |
| CL Brg         | 4356.91 | 9.63   | 641.10                       | 641.10  |
| CL Pier 1      | 4357.91 | 9.63   | 641.11                       | 641.11  |
| CL Brg         | 4358.91 | 9.63   | 641.13                       | 641.13  |
| E              | 4368.91 | 9.63   | 641.28                       | 641.29  |
| F              | 4378.91 | 9.63   | 641.44                       | 641.46  |
| G              | 4388.91 | 9.63   | 641.61                       | 641.63  |
| H              | 4398.91 | 9.63   | 641.79                       | 641.80  |
| CL Brg         | 4405.57 | 9.63   | 641.91                       | 641.91  |
| CL Pier 2      | 4406.57 | 9.63   | 641.93                       | 641.93  |
| CL Brg         | 4407.57 | 9.63   | 641.95                       | 641.95  |
| I              | 4417.57 | 9.63   | 642.15                       | 642.17  |
| J              | 4427.57 | 9.63   | 642.36                       | 642.39  |
| K              | 4437.57 | 9.63   | 642.58                       | 642.60  |
| L              | 4447.57 | 9.63   | 642.81                       | 642.82  |
| CL Brg E. Abut | 4454.24 | 9.63   | 642.97                       | 642.97  |
| Bk E. Abutment | 4455.49 | 9.63   | 643.00                       | 643.00  |

**BEAM #6**

| Location       | Station | Offset | Theoretical Grade Elevations | Theoretical Grade Elevations Adjusted For Dead Load Deflections |
|----------------|---------|--------|------------------------------|---|
| Bk W. Abutment | 4308.99 | 16.04  | 640.41                       | 640.41  |
| CL Brg W. Abut | 4310.24 | 16.04  | 640.42                       | 640.42  |
| A              | 4320.24 | 16.04  | 640.52                       | 640.54  |
| B              | 4330.24 | 16.04  | 640.63                       | 640.66  |
| C              | 4340.24 | 16.04  | 640.75                       | 640.78  |
| D              | 4350.24 | 16.04  | 640.88                       | 640.90  |
| CL Brg         | 4356.91 | 16.04  | 640.98                       | 640.98  |
| CL Pier 1      | 4357.91 | 16.04  | 640.99                       | 640.99  |
| CL Brg         | 4358.91 | 16.04  | 641.01                       | 641.01  |
| E              | 4368.91 | 16.04  | 641.16                       | 641.17  |
| F              | 4378.91 | 16.04  | 641.32                       | 641.34  |
| G              | 4388.91 | 16.04  | 641.49                       | 641.51  |
| H              | 4398.91 | 16.04  | 641.67                       | 641.68  |
| CL Brg         | 4405.57 | 16.04  | 641.79                       | 641.79  |
| CL Pier 2      | 4406.57 | 16.04  | 641.81                       | 641.81  |
| CL Brg         | 4407.57 | 16.04  | 641.83                       | 641.83  |
| I              | 4417.57 | 16.04  | 642.03                       | 642.05  |
| J              | 4427.57 | 16.04  | 642.24                       | 642.26  |
| K              | 4437.57 | 16.04  | 642.46                       | 642.48  |
| L              | 4447.57 | 16.04  | 642.69                       | 642.70  |
| CL Brg E. Abut | 4454.24 | 16.04  | 642.84                       | 642.84  |
| Bk E. Abutment | 4455.49 | 16.04  | 642.87                       | 642.87  |

**TOP OF SLAB ELEVATIONS  
C.H. 12 OVER JOES CREEK  
SECTION 07-00090-00-BR  
MACOUPIN COUNTY**

|                                |             |                |                                |                    |           |
|--------------------------------|-------------|----------------|--------------------------------|--------------------|-----------|
| SHEET NO. 4<br>22 SHEETS       | ROUTE NO.   | SECTION        | COUNTY                         | TOTAL SHEETS       | SHEET NO. |
|                                | CH 12       | 07-00090-00-BR | MACOUPIN                       | 77                 | 33        |
|                                | SN 059-3557 |                |                                | CONTRACT NO. 93538 |           |
| FED. ROAD DIST. NO. 7 ILLINOIS |             |                | FED. AID PROJECT BRS-0732(148) |                    |           |