

|                          |           |                      |        |       |                            |
|--------------------------|-----------|----------------------|--------|-------|----------------------------|
| ROUTE NO.                | SECTION   | COUNTY               | SHEETS | SHEET | SHEET NO. S-7<br>28 SHEETS |
| 80-94                    | 2004-133F | LAKE COUNTY, INDIANA | 90     | 83    |                            |
| ILLINOIS FEDERAL PROJECT |           |                      |        |       |                            |

CONTRACT NO. 62898 INDOT DES. NO. 9910630

**GIRDER 1**

| LOCATION       | STATION   | OFFSET    | THEORETICAL GRADE ELEVATION | ELEVATION ADJUSTED FOR DEAD LOAD DEFLECTION |
|----------------|-----------|-----------|-----------------------------|---|
| Back of W Abut | 8+729.107 | -25.314 m | 189.372                     | 189.372                                     |
| CL W Abut      | 8+729.506 | -25.320 m | 189.363                     | 189.363                                     |
| A              | 8+732.547 | -25.358 m | 189.295                     | 189.318                                     |
| B              | 8+735.589 | -25.392 m | 189.226                     | 189.269                                     |
| C              | 8+738.630 | -25.420 m | 189.156                     | 189.217                                     |
| D              | 8+741.671 | -25.444 m | 189.085                     | 189.160                                     |
| E              | 8+744.713 | -25.463 m | 189.014                     | 189.097                                     |
| F              | 8+747.754 | -25.477 m | 188.942                     | 189.028                                     |
| G              | 8+750.796 | -25.486 m | 188.869                     | 188.952                                     |
| H              | 8+753.837 | -25.490 m | 188.795                     | 188.870                                     |
| I              | 8+756.879 | -25.489 m | 188.721                     | 188.782                                     |
| J              | 8+759.921 | -25.483 m | 188.646                     | 188.689                                     |
| K              | 8+762.962 | -25.473 m | 188.570                     | 188.592                                     |
| CL E Abut      | 8+766.004 | -25.457 m | 188.493                     | 188.493                                     |
| Back of E Abut | 8+766.403 | -25.455 m | 188.483                     | 188.483                                     |

**GIRDER 2**

| LOCATION       | STATION   | OFFSET    | THEORETICAL GRADE ELEVATION | ELEVATION ADJUSTED FOR DEAD LOAD DEFLECTION |
|----------------|-----------|-----------|-----------------------------|---|
| Back of W Abut | 8+729.760 | -23.093 m | 189.424                     | 189.424                                     |
| CL W Abut      | 8+730.159 | -23.098 m | 189.416                     | 189.416                                     |
| A              | 8+733.196 | -23.136 m | 189.347                     | 189.370                                     |
| B              | 8+736.234 | -23.168 m | 189.278                     | 189.321                                     |
| C              | 8+739.272 | -23.196 m | 189.208                     | 189.269                                     |
| D              | 8+742.309 | -23.218 m | 189.137                     | 189.212                                     |
| E              | 8+745.347 | -23.236 m | 189.066                     | 189.149                                     |
| F              | 8+748.385 | -23.249 m | 188.994                     | 189.080                                     |
| G              | 8+751.423 | -23.257 m | 188.921                     | 189.004                                     |
| H              | 8+754.461 | -23.260 m | 188.847                     | 188.922                                     |
| I              | 8+757.499 | -23.258 m | 188.772                     | 188.834                                     |
| J              | 8+760.537 | -23.252 m | 188.697                     | 188.741                                     |
| K              | 8+763.574 | -23.240 m | 188.621                     | 188.644                                     |
| CL E Abut      | 8+766.612 | -23.224 m | 188.544                     | 188.544                                     |
| Back of E Abut | 8+767.011 | -23.221 m | 188.534                     | 188.534                                     |

**GIRDER 3**

| LOCATION       | STATION   | OFFSET    | THEORETICAL GRADE ELEVATION | ELEVATION ADJUSTED FOR DEAD LOAD DEFLECTION |
|----------------|-----------|-----------|-----------------------------|---|
| Back of W Abut | 8+730.412 | -20.871 m | 189.477                     | 189.477                                     |
| CL W Abut      | 8+730.810 | -20.876 m | 189.468                     | 189.468                                     |
| A              | 8+733.844 | -20.913 m | 189.399                     | 189.422                                     |
| B              | 8+736.878 | -20.944 m | 189.330                     | 189.374                                     |
| C              | 8+739.912 | -20.971 m | 189.260                     | 189.321                                     |
| D              | 8+742.946 | -20.992 m | 189.189                     | 189.264                                     |
| E              | 8+745.980 | -21.009 m | 189.118                     | 189.201                                     |
| F              | 8+749.014 | -21.021 m | 189.046                     | 189.131                                     |
| G              | 8+752.048 | -21.028 m | 188.973                     | 189.056                                     |
| H              | 8+755.083 | -21.030 m | 188.899                     | 188.973                                     |
| I              | 8+758.117 | -21.027 m | 188.824                     | 188.885                                     |
| J              | 8+761.151 | -21.020 m | 188.749                     | 188.792                                     |
| K              | 8+764.185 | -21.007 m | 188.673                     | 188.695                                     |
| CL E Abut      | 8+767.219 | -20.990 m | 188.596                     | 188.596                                     |
| Back of E Abut | 8+767.618 | -20.987 m | 188.585                     | 188.585                                     |

**GIRDER 4**

| LOCATION       | STATION   | OFFSET    | THEORETICAL GRADE ELEVATION | ELEVATION ADJUSTED FOR DEAD LOAD DEFLECTION |
|----------------|-----------|-----------|-----------------------------|---|
| Back of W Abut | 8+731.062 | -18.649 m | 189.529                     | 189.529                                     |
| CL W Abut      | 8+731.460 | -18.654 m | 189.520                     | 189.520                                     |
| A              | 8+734.490 | -18.690 m | 189.452                     | 189.474                                     |
| B              | 8+737.520 | -18.720 m | 189.382                     | 189.426                                     |
| C              | 8+740.550 | -18.746 m | 189.312                     | 189.373                                     |
| D              | 8+743.581 | -18.766 m | 189.241                     | 189.316                                     |
| E              | 8+746.611 | -18.782 m | 189.170                     | 189.253                                     |
| F              | 8+749.642 | -18.793 m | 189.097                     | 189.183                                     |
| G              | 8+752.672 | -18.799 m | 189.024                     | 189.107                                     |
| H              | 8+755.703 | -18.800 m | 188.950                     | 189.025                                     |
| I              | 8+758.734 | -18.796 m | 188.876                     | 188.937                                     |
| J              | 8+761.764 | -18.787 m | 188.800                     | 188.844                                     |
| K              | 8+764.795 | -18.774 m | 188.724                     | 188.747                                     |
| CL E Abut      | 8+767.825 | -18.755 m | 188.647                     | 188.647                                     |
| Back of E Abut | 8+768.223 | -18.753 m | 188.637                     | 188.637                                     |

**GIRDER 5**

| LOCATION       | STATION   | OFFSET    | THEORETICAL GRADE ELEVATION | ELEVATION ADJUSTED FOR DEAD LOAD DEFLECTION |
|----------------|-----------|-----------|-----------------------------|---|
| Back of W Abut | 8+731.710 | -16.427 m | 189.581                     | 189.581                                     |
| CL W Abut      | 8+732.108 | -16.432 m | 189.572                     | 189.572                                     |
| A              | 8+735.134 | -16.466 m | 189.504                     | 189.526                                     |
| B              | 8+738.161 | -16.496 m | 189.435                     | 189.478                                     |
| C              | 8+741.188 | -16.520 m | 189.364                     | 189.426                                     |
| D              | 8+744.214 | -16.540 m | 189.293                     | 189.368                                     |
| E              | 8+747.241 | -16.555 m | 189.222                     | 189.305                                     |
| F              | 8+750.268 | -16.564 m | 189.149                     | 189.235                                     |
| G              | 8+753.295 | -16.569 m | 189.076                     | 189.159                                     |
| H              | 8+756.322 | -16.569 m | 189.002                     | 189.077                                     |
| I              | 8+759.349 | -16.565 m | 188.927                     | 188.988                                     |
| J              | 8+762.376 | -16.555 m | 188.852                     | 188.895                                     |
| K              | 8+765.402 | -16.541 m | 188.776                     | 188.798                                     |
| CL E Abut      | 8+768.429 | -16.521 m | 188.698                     | 188.698                                     |
| Back of E Abut | 8+768.827 | -16.518 m | 188.688                     | 188.688                                     |

**GIRDER 6**

| LOCATION       | STATION   | OFFSET    | THEORETICAL GRADE ELEVATION | ELEVATION ADJUSTED FOR DEAD LOAD DEFLECTION |
|----------------|-----------|-----------|-----------------------------|---|
| Back of W Abut | 8+732.357 | -14.205 m | 189.634                     | 189.634                                     |
| CL W Abut      | 8+732.754 | -14.210 m | 189.625                     | 189.625                                     |
| A              | 8+735.777 | -14.243 m | 189.556                     | 189.579                                     |
| B              | 8+738.800 | -14.271 m | 189.487                     | 189.530                                     |
| C              | 8+741.823 | -14.295 m | 189.416                     | 189.478                                     |
| D              | 8+744.846 | -14.313 m | 189.345                     | 189.420                                     |
| E              | 8+747.869 | -14.327 m | 189.274                     | 189.357                                     |
| F              | 8+750.893 | -14.336 m | 189.201                     | 189.287                                     |
| G              | 8+753.916 | -14.340 m | 189.128                     | 189.211                                     |
| H              | 8+756.939 | -14.339 m | 189.054                     | 189.128                                     |
| I              | 8+759.962 | -14.333 m | 188.979                     | 189.040                                     |
| J              | 8+762.986 | -14.322 m | 188.903                     | 188.947                                     |
| K              | 8+766.009 | -14.307 m | 188.827                     | 188.850                                     |
| CL E Abut      | 8+769.032 | -14.287 m | 188.750                     | 188.750                                     |
| Back of E Abut | 8+769.429 | -14.284 m | 188.740                     | 188.740                                     |

**GIRDER 7**

| LOCATION       | STATION   | OFFSET    | THEORETICAL GRADE ELEVATION | ELEVATION ADJUSTED FOR DEAD LOAD DEFLECTION |
|----------------|-----------|-----------|-----------------------------|---|
| Back of W Abut | 8+733.002 | -11.983 m | 189.686                     | 189.686                                     |
| CL W Abut      | 8+733.399 | -11.987 m | 189.677                     | 189.677                                     |
| A              | 8+736.418 | -12.019 m | 189.608                     | 189.631                                     |
| B              | 8+739.438 | -12.047 m | 189.539                     | 189.582                                     |
| C              | 8+742.457 | -12.069 m | 189.469                     | 189.530                                     |
| D              | 8+745.477 | -12.086 m | 189.397                     | 189.472                                     |
| E              | 8+748.496 | -12.099 m | 189.326                     | 189.409                                     |
| F              | 8+751.516 | -12.107 m | 189.253                     | 189.339                                     |
| G              | 8+754.535 | -12.110 m | 189.180                     | 189.263                                     |
| H              | 8+757.555 | -12.108 m | 189.106                     | 189.180                                     |
| I              | 8+760.575 | -12.101 m | 189.031                     | 189.092                                     |
| J              | 8+763.594 | -12.090 m | 188.955                     | 188.998                                     |
| K              | 8+766.614 | -12.073 m | 188.879                     | 188.901                                     |
| CL E Abut      | 8+769.633 | -12.052 m | 188.801                     | 188.801                                     |
| Back of E Abut | 8+770.030 | -12.049 m | 188.791                     | 188.791                                     |

**GIRDER 8**

| LOCATION       | STATION   | OFFSET   | THEORETICAL GRADE ELEVATION | ELEVATION ADJUSTED FOR DEAD LOAD DEFLECTION |
|----------------|-----------|----------|-----------------------------|---|
| Back of W Abut | 8+733.646 | -9.760 m | 189.738                     | 189.738                                     |
| CL W Abut      | 8+734.042 | -9.764 m | 189.729                     | 189.729                                     |
| A              | 8+737.058 | -9.795 m | 189.661                     | 189.683                                     |
| B              | 8+740.074 | -9.822 m | 189.591                     | 189.634                                     |
| C              | 8+743.090 | -9.843 m | 189.521                     | 189.582                                     |
| D              | 8+746.106 | -9.859 m | 189.449                     | 189.524                                     |
| E              | 8+749.122 | -9.871 m | 189.378                     | 189.461                                     |
| F              | 8+752.137 | -9.878 m | 189.305                     | 189.391                                     |
| G              | 8+755.153 | -9.880 m | 189.231                     | 189.314                                     |
| H              | 8+758.169 | -9.877 m | 189.157                     | 189.232                                     |
| I              | 8+761.185 | -9.869 m | 189.082                     | 189.143                                     |
| J              | 8+764.201 | -9.857 m | 189.007                     | 189.050                                     |
| K              | 8+767.217 | -9.839 m | 188.930                     | 188.953                                     |
| CL E Abut      | 8+770.233 | -9.817 m | 188.853                     | 188.853                                     |
| Back of E Abut | 8+770.629 | -9.814 m | 188.843                     | 188.843                                     |

|          |     |
|----------|-----|
| DESIGNED | BHS |
| CHECKED  | KFA |
| DRAWN    | MJB |
| CHECKED  | GSP |

**NOTES:**

See Sheet No. S-6 for Plan.

All stations, offsets, and elevations are in meters.

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 I.A.I. ROUTE 80/94 (BORMAN EXPRESSWAY)  
 OVER HARRISON AVENUE

**TOP OF DECK ELEVATIONS (1 OF 4)**  
**SECTION 2004-133F**  
**LAKE COUNTY, INDIANA**  
**STATION 8+754.874**  
**STRUCTURE NO. I-80-1-8461 (EB & WB)**  
 DATE 05/05 (016-1005 & 016-1006)

**AMERICAN**  
 CONSULTING ENGINEERS

**FOR INFORMATION ONLY**