

SUPERELEVATION TRANSITION CURVE (620)

|                     |         |          |                  |           |
|---------------------|---------|----------|------------------|-----------|
| F.A. RTE.           | SECTION | COUNTY   | TOTAL SHEETS     | SHEET NO. |
| 337                 | 19R-1   | LAKE     | 800              | 351       |
| STA.                |         | TO STA.  |                  |           |
| FED. ROAD DIST. NO. |         | ILLINOIS | FED. AID PROJECT |           |

OUTSIDE LANES

INSIDE LANES

| STATION        | LEFT EDGE OF PAV'MT |         |        | LEFT MEDIAN LANE LINE |         |        | LEFT INSIDE THROUGH LANE E/P (PGL) |         |
|----------------|---------------------|---------|--------|-----------------------|---------|--------|------------------------------------|---------|
|                | LOC                 | ELEV    | SLOPE  | LOC                   | ELEV    | SLOPE  | LOC                                | ELEV    |
| NC 8+533.911   | 10.35M LT           | 261.107 | -2.00% | 6.35M LT              | 261.187 | -2.00% | 2.75M LT                           | 261.259 |
| 8+535.000      | 10.35M LT           | 261.110 | -1.90% | 6.35M LT              | 261.186 | -1.90% | 2.75M LT                           | 261.254 |
| 8+540.000      | 10.35M LT           | 261.115 | -1.50% | 6.35M LT              | 261.175 | -1.50% | 2.75M LT                           | 261.229 |
| 8+545.000      | 10.35M LT           | 261.120 | -1.10% | 6.35M LT              | 261.164 | -1.10% | 2.75M LT                           | 261.204 |
| 8+550.000      | 10.35M LT           | 261.133 | -0.60% | 6.35M LT              | 261.157 | -0.60% | 2.75M LT                           | 261.179 |
| 8+555.000      | 10.35M LT           | 261.139 | -0.20% | 6.35M LT              | 261.147 | -0.20% | 2.75M LT                           | 261.154 |
| XS=0 8+557.911 | 10.35M LT           | 261.139 | 0.00%  | 6.35M LT              | 261.139 | 0.00%  | 2.75M LT                           | 261.139 |
| 8+560.000      | 10.35M LT           | 261.144 | 0.20%  | 6.35M LT              | 261.136 | 0.20%  | 2.75M LT                           | 261.129 |
| 8+565.000      | 10.35M LT           | 261.150 | 0.60%  | 6.35M LT              | 261.126 | 0.60%  | 2.75M LT                           | 261.104 |
| 8+570.000      | 10.35M LT           | 261.163 | 1.10%  | 6.35M LT              | 261.119 | 1.10%  | 2.75M LT                           | 261.079 |
| 8+575.000      | 10.35M LT           | 261.168 | 1.50%  | 6.35M LT              | 261.108 | 1.50%  | 2.75M LT                           | 261.054 |
| 8+580.000      | 10.35M LT           | 261.173 | 1.90%  | 6.35M LT              | 261.097 | 1.90%  | 2.75M LT                           | 261.029 |
| 8+585.000      | 10.35M LT           | 261.179 | 2.30%  | 6.35M LT              | 261.087 | 2.30%  | 2.75M LT                           | 261.004 |
| PC 8+585.244   | 10.35M LT           | 261.179 | 2.32%  | 6.35M LT              | 261.086 | 2.32%  | 2.75M LT                           | 261.003 |
| 8+590.000      | 10.35M LT           | 261.184 | 2.70%  | 6.35M LT              | 261.076 | 2.70%  | 2.75M LT                           | 260.979 |
| 8+595.000      | 10.35M LT           | 261.193 | 3.20%  | 6.35M LT              | 261.065 | 3.20%  | 2.75M LT                           | 260.950 |
| FS 8+598.911   | 10.35M LT           | 261.190 | 3.50%  | 6.35M LT              | 261.050 | 3.50%  | 2.75M LT                           | 260.924 |
| 8+600.000      | 10.35M LT           | 261.183 | 3.50%  | 6.35M LT              | 261.043 | 3.50%  | 2.75M LT                           | 260.917 |
| 8+605.000      | 10.35M LT           | 261.145 | 3.50%  | 6.35M LT              | 261.005 | 3.50%  | 2.75M LT                           | 260.879 |
| 8+610.000      | 10.35M LT           | 261.103 | 3.50%  | 6.35M LT              | 260.963 | 3.50%  | 2.75M LT                           | 260.837 |
| 8+615.000      | 10.35M LT           | 261.057 | 3.50%  | 6.35M LT              | 260.917 | 3.50%  | 2.75M LT                           | 260.791 |
| 8+620.000      | 10.35M LT           | 261.007 | 3.50%  | 6.35M LT              | 260.867 | 3.50%  | 2.75M LT                           | 260.741 |
| 8+625.000      | 10.35M LT           | 260.952 | 3.50%  | 6.35M LT              | 260.812 | 3.50%  | 2.75M LT                           | 260.686 |
| 8+630.000      | 10.35M LT           | 260.893 | 3.50%  | 6.35M LT              | 260.753 | 3.50%  | 2.75M LT                           | 260.627 |
| 8+635.000      | 10.35M LT           | 260.830 | 3.50%  | 6.35M LT              | 260.690 | 3.50%  | 2.75M LT                           | 260.564 |
| 8+640.000      | 10.35M LT           | 260.763 | 3.50%  | 6.35M LT              | 260.623 | 3.50%  | 2.75M LT                           | 260.497 |
| 8+645.000      | 10.35M LT           | 260.691 | 3.50%  | 6.35M LT              | 260.551 | 3.50%  | 2.75M LT                           | 260.425 |
| 8+650.000      | 10.35M LT           | 260.615 | 3.50%  | 6.35M LT              | 260.475 | 3.50%  | 2.75M LT                           | 260.349 |
| 8+655.000      | 10.35M LT           | 260.534 | 3.50%  | 6.35M LT              | 260.394 | 3.50%  | 2.75M LT                           | 260.268 |
| 8+660.000      | 10.35M LT           | 260.451 | 3.50%  | 6.35M LT              | 260.311 | 3.50%  | 2.75M LT                           | 260.185 |
| 8+665.000      | 10.35M LT           | 260.368 | 3.50%  | 6.35M LT              | 260.228 | 3.50%  | 2.75M LT                           | 260.102 |
| 8+670.000      | 10.35M LT           | 260.284 | 3.50%  | 6.35M LT              | 260.144 | 3.50%  | 2.75M LT                           | 260.018 |
| 8+675.000      | 10.35M LT           | 260.201 | 3.50%  | 6.35M LT              | 260.061 | 3.50%  | 2.75M LT                           | 259.935 |
| 8+680.000      | 10.35M LT           | 260.118 | 3.50%  | 6.35M LT              | 259.978 | 3.50%  | 2.75M LT                           | 259.852 |
| 8+685.000      | 10.35M LT           | 260.034 | 3.50%  | 6.35M LT              | 259.894 | 3.50%  | 2.75M LT                           | 259.768 |
| 8+690.000      | 10.35M LT           | 259.951 | 3.50%  | 6.35M LT              | 259.811 | 3.50%  | 2.75M LT                           | 259.685 |
| 8+695.000      | 10.35M LT           | 259.867 | 3.50%  | 6.35M LT              | 259.727 | 3.50%  | 2.75M LT                           | 259.601 |
| 8+700.000      | 10.35M LT           | 259.784 | 3.50%  | 6.35M LT              | 259.644 | 3.50%  | 2.75M LT                           | 259.518 |
| 8+705.000      | 10.35M LT           | 259.700 | 3.50%  | 6.35M LT              | 259.560 | 3.50%  | 2.75M LT                           | 259.434 |
| 8+710.000      | 10.35M LT           | 259.617 | 3.50%  | 6.35M LT              | 259.477 | 3.50%  | 2.75M LT                           | 259.351 |
| 8+715.000      | 10.35M LT           | 259.537 | 3.50%  | 6.35M LT              | 259.397 | 3.50%  | 2.75M LT                           | 259.271 |
| FS 8+715.674   | 10.35M LT           | 259.527 | 3.50%  | 6.35M LT              | 259.387 | 3.50%  | 2.75M LT                           | 259.261 |
| 8+720.000      | 10.35M LT           | 259.434 | 3.10%  | 6.35M LT              | 259.310 | 3.10%  | 2.75M LT                           | 259.198 |
| 8+725.000      | 10.35M LT           | 259.337 | 2.70%  | 6.35M LT              | 259.229 | 2.70%  | 2.75M LT                           | 259.132 |
| 8+730.000      | 10.35M LT           | 259.248 | 2.30%  | 6.35M LT              | 259.156 | 2.30%  | 2.75M LT                           | 259.073 |
| 8+735.000      | 10.35M LT           | 259.166 | 1.90%  | 6.35M LT              | 259.090 | 1.90%  | 2.75M LT                           | 259.021 |
| 8+740.000      | 10.35M LT           | 259.082 | 1.40%  | 6.35M LT              | 259.026 | 1.40%  | 2.75M LT                           | 258.976 |
| PT 8+743.014   | 10.35M LT           | 259.043 | 1.20%  | 6.35M LT              | 258.995 | 1.20%  | 2.75M LT                           | 258.952 |
| 8+745.000      | 10.35M LT           | 259.014 | 1.00%  | 6.35M LT              | 258.974 | 1.00%  | 2.75M LT                           | 258.938 |
| 8+750.000      | 10.35M LT           | 258.952 | 0.60%  | 6.35M LT              | 258.928 | 0.60%  | 2.75M LT                           | 258.907 |
| 8+755.000      | 10.35M LT           | 258.898 | 0.20%  | 6.35M LT              | 258.890 | 0.20%  | 2.75M LT                           | 258.883 |
| XS=0 8+756.674 | 10.35M LT           | 258.876 | 0.00%  | 6.35M LT              | 258.876 | 0.00%  | 2.75M LT                           | 258.876 |
| 8+760.000      | 10.35M LT           | 258.843 | -0.30% | 6.35M LT              | 258.855 | -0.30% | 2.75M LT                           | 258.865 |
| 8+765.000      | 10.35M LT           | 258.802 | -0.70% | 6.35M LT              | 258.830 | -0.70% | 2.75M LT                           | 258.855 |
| 8+770.000      | 10.35M LT           | 258.768 | -1.10% | 6.35M LT              | 258.812 | -1.10% | 2.75M LT                           | 258.852 |
| 8+775.000      | 10.35M LT           | 258.742 | -1.50% | 6.35M LT              | 258.802 | -1.50% | 2.75M LT                           | 258.856 |
| 8+780.000      | 10.35M LT           | 258.722 | -1.90% | 6.35M LT              | 258.798 | -1.90% | 2.75M LT                           | 258.866 |
| NC 8+780.674   | 10.35M LT           | 258.716 | -2.00% | 6.35M LT              | 258.796 | -2.00% | 2.75M LT                           | 258.868 |

| STATION      | EASTBOUND INSIDE LEFT TURN LANE (EP) |      |       | RIGHT INSIDE THROUGH LANE E/P (PGL) |         |       | RIGHT MEDIAN LANE LINE |         |        | RIGHT EDGE OF PAV'MT |         |        |
|--------------|--------------------------------------|------|-------|-------------------------------------|---------|-------|------------------------|---------|--------|----------------------|---------|--------|
|              | LOC                                  | ELEV | SLOPE | LOC                                 | ELEV    | SLOPE | LOC                    | ELEV    | SLOPE  | LOC                  | ELEV    | SLOPE  |
| NC 8+581.183 |                                      |      |       | 2.75M RT                            | 261.023 |       | 6.35M RT               | 260.951 | -2.00% | 10.35M RT            | 260.871 | -2.00% |
| 8+585.000    |                                      |      |       | 2.75M RT                            | 261.004 |       | 6.35M RT               | 260.921 | -2.30% | 10.35M RT            | 260.829 | -2.30% |
| PC 8+585.244 |                                      |      |       | 2.75M RT                            | 261.003 |       | 6.35M RT               | 260.920 | -2.30% | 10.35M RT            | 260.828 | -2.30% |
| 8+590.000    |                                      |      |       | 2.75M RT                            | 260.979 |       | 6.35M RT               | 260.882 | -2.70% | 10.35M RT            | 260.774 | -2.70% |
| 8+595.000    |                                      |      |       | 2.75M RT                            | 260.950 |       | 6.35M RT               | 260.835 | -3.20% | 10.35M RT            | 260.707 | -3.20% |
| FS 8+598.911 |                                      |      |       | 2.75M RT                            | 260.924 |       | 6.35M RT               | 260.798 | -3.50% | 10.35M RT            | 260.658 | -3.50% |
| 8+600.000    |                                      |      |       | 2.75M RT                            | 260.917 |       | 6.35M RT               | 260.791 | -3.50% | 10.35M RT            | 260.651 | -3.50% |
| 8+605.000    |                                      |      |       | 2.75M RT                            | 260.879 |       | 6.35M RT               | 260.753 | -3.50% | 10.35M RT            | 260.613 | -3.50% |
| 8+610.000    |                                      |      |       | 2.75M RT                            | 260.837 |       | 6.35M RT               | 260.711 | -3.50% | 10.35M RT            | 260.571 | -3.50% |
| 8+615.000    |                                      |      |       | 2.75M RT                            | 260.791 |       | 6.35M RT               | 260.665 | -3.50% | 10.35M RT            | 260.525 | -3.50% |
| 8+620.000    |                                      |      |       | 2.75M RT                            | 260.741 |       | 6.35M RT               | 260.615 | -3.50% | 10.35M RT            | 260.475 | -3.50% |
| 8+625.000    |                                      |      |       | 2.75M RT                            | 260.686 |       | 6.35M RT               | 260.560 | -3.50% | 10.35M RT            | 260.420 | -3.50% |
| 8+630.000    |                                      |      |       | 2.75M RT                            | 260.627 |       | 6.35M RT               | 260.501 | -3.50% | 10.35M RT            | 260.361 | -3.50% |
| 8+635.000    |                                      |      |       | 2.75M RT                            | 260.564 |       | 6.35M RT               | 260.438 | -3.50% | 10.35M RT            | 260.298 | -3.50% |
| 8+640.000    |                                      |      |       | 2.75M RT                            | 260.497 |       | 6.35M RT               | 260.371 | -3.50% | 10.35M RT            | 260.231 | -3.50% |
| 8+645.000    |                                      |      |       | 2.75M RT                            | 260.425 |       | 6.35M RT               | 260.299 | -3.50% | 10.35M RT            | 260.159 | -3.50% |
| 8+650.000    |                                      |      |       | 2.75M RT                            | 260.349 |       | 6.35M RT               | 260.223 | -3.50% | 10.35M RT            | 260.083 | -3.50% |
| 8+655.000    |                                      |      |       | 2.75M RT                            | 260.268 |       | 6.35M RT               | 260.142 | -3.50% | 10.35M RT            | 260.002 | -3.50% |
| 8+660.000    |                                      |      |       | 2.75M RT                            | 260.185 |       | 6.35M RT               | 260.059 | -3.50% | 10.35M RT            | 259.919 | -3.50% |
| 8+665.000    |                                      |      |       | 2.75M RT                            | 260.102 |       | 6.35M RT               | 259.976 | -3.50% | 10.35M RT            | 259.836 | -3.50% |
| 8+670.000    |                                      |      |       | 2.75M RT                            | 260.018 |       | 6.35M RT               | 259.892 | -3.50% | 10.35M RT            | 259.752 | -3.50% |
| 8+675.000    |                                      |      |       | 2.75M RT                            | 259.935 |       | 6.35M RT               | 259.809 | -3.50% | 10.35M RT            | 259.669 | -3.50% |
| 8+680.000    |                                      |      |       | 2.75M RT                            | 259.852 |       | 6.35M RT               | 259.726 | -3.50% | 10.35M RT            | 259.586 | -3.50% |
| 8+685.000    |                                      |      |       | 2.75M RT                            | 259.768 |       | 6.35M RT               | 259.642 | -3.50% | 10.35M RT            | 259.502 | -3.50% |
| 8+690.000    |                                      |      |       | 2.75M RT                            | 259.685 |       | 6.35M RT               | 259.559 | -3.50% | 10.35M RT            | 259.419 | -3.50% |
| 8+695.000    |                                      |      |       | 2.75M RT                            | 259.601 |       | 6.35M RT               | 259.475 | -3.50% | 10.35M RT            | 259.335 | -3.50% |
| 8+700.000    |                                      |      |       | 2.75M RT                            | 259.518 |       | 6.35M RT               | 259.392 | -3.50% | 10.35M RT            | 259.252 | -3.50% |
| 8+705.000    |                                      |      |       | 2.75M RT                            | 259.434 |       | 6.35M RT               | 259.308 | -3.50% | 10.35M RT            | 259.168 | -3.50% |
| 8+710.000    |                                      |      |       | 2.75M RT                            | 259.351 |       | 6.35M RT               | 259.225 | -3.50% | 10.35M RT            | 259.085 | -3.50% |
| 8+715.000    |                                      |      |       | 2.75M RT                            | 259.271 |       | 6.35M RT               | 259.145 | -3.50% | 10.35M RT            | 259.005 | -3.50% |
| FS 8+715.674 |                                      |      |       | 2.75M RT                            | 259.261 |       | 6.35M RT               | 259.135 | -3.50% | 10.35M RT            | 258.995 | -3.50% |
| 8+720.000    |                                      |      |       | 2.75M RT                            | 259.198 |       | 6.35M RT               | 259.087 | -3.10% | 10.35M RT            | 258.963 | -3.10% |
| 8+725.000    |                                      |      |       | 2.75M RT                            | 259.132 |       | 6.35M RT               | 259.035 | -2.70% | 10.35M RT            | 258.927 | -2.70% |
| 8+730.000    |                                      |      |       | 2.75M RT                            | 259.073 |       | 6.35M RT               | 258.990 | -2.30% | 10.35M RT            | 258.898 | -2.30% |
| NC 8+733.238 |                                      |      |       | 2.75M RT                            | 259.039 |       |                        |         |        |                      |         |        |