

PAVEMENT CALCULATION TOTALS FOR MILLER RD. PROJECT

| STATION TO STATION     | 202              | 202          | 202                    | 202          | 204                 | 204               | 209                                    | 254  | 254   | 302  | 304               |
|------------------------|------------------|--------------|------------------------|--------------|---------------------|-------------------|--|--|---|--|-------------------|
|                        | PAVEMENT REMOVED | WALK REMOVED | TRAFFIC ISLAND REMOVED | CURB REMOVED | SUBGRADE COMPACTION | GEOTEXTILE FABRIC | RESHAPING UNDER GUARDRAIL, AS PER PLAN | PAVEMENT PLANING, ASPHALT CONCRETE (T = 3.25') | PAVEMENT PLANING, ASPHALT CONCRETE (VARIABLE THICKNESS) | 7.5" ASPHALT CONCRETE BASE, (449), AS PER PLAN (PG64-22) | 6" AGGREGATE BASE |
|                        | SY               | SF           | SY                     | FT           | SY                  | SY                | STA                                    | SY   | SY  | CY   | CY                |
| MILLER, WEST OF BRIDGE |                  |              |                        |              | 4409                | 4272              |  |  |   |  | 738               |
| MILLER, EAST OF BRIDGE |                  |              |                        |              | 7928                | 7955              |  |  |   |  | 1461              |
| SOUTHPOINTE            |                  |              |                        |              | 1437                |                   |  |  |   |  | 235               |
| RAMP B-1               |                  |              |                        |              | 2053                |                   | 6                                      |  |   |  | 320               |
| RAMP B-2               |                  |              |                        |              | 2813                |                   | 7                                      |  |   |  | 444               |
| RAMP B-3               |                  |              |                        |              | 2736                |                   | 11                                     |  |   |  | 425               |
| RAMP B-4               |                  |              |                        |              | 2132                |                   | 2                                      |  |   |  | 336               |
| I.R. 77 LEFT           |                  |              |                        |              | 3098                | 336               | 16                                     | 737  | 4173  | 599  | 495               |
| I.R. 77 RIGHT          |                  |              |                        |              | 2337                |                   |  |  |   | 464  | 379               |
| PAVEMENT REMOVED       | 15253            | 17349        | 34                     | 4165         |                     |                   |  |  |   |  |                   |
| <b>TOTAL</b>           | <b>15253</b>     | <b>17349</b> | <b>34</b>              | <b>4165</b>  | <b>28943</b>        | <b>12563</b>      | <b>42</b>                              | <b>737</b>                                     | <b>4173</b>   | <b>1063</b>  | <b>4833</b>       |

| STATION TO STATION     | 407   | 407  | 441   | 442                        | 442  | 442   | 442  | 451  | 452  | 608                           | 609            | 609          | 609             |
|------------------------|---|--|---|----------------------------|--|---|--|--|--|-------------------------------|----------------|--------------|-----------------|
|                        | NON-TRACKING TACK COAT (0.085 GAL/SY NEW ASPHALT) | NON TRACKING TACK COAT (0.085 GAL/SY MILLED ASPHALT) | ASPHALT CONCRETE INTERMEDIATE COURSE, (449), (UNDER GUARDRAIL), AS PER PLAN | ANTI-SEGREGATION EQUIPMENT | 1.5" ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446), AS PER PLAN | 1.75" ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (446) | (VARIABLE DEPTH) ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (446) (AVG. T = 1 7/8") | 11" REINFORCED CONCRETE PAVEMENT, CLASS QC 1P WITH QC/QA | 12" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P WITH QC/QA | 4" CONCRETE WALK, AS PER PLAN | CURB, TYPE 2-A | CURB, TYPE 6 | CONCRETE MEDIAN |
|                        | GAL   | GAL  | CY  | CY                         | CY   | CY  | CY   | SY   | SY   | SF                            | FT             | FT           | SY              |
| MILLER, WEST OF BRIDGE |   |  |   |                            |  |   |  | 4059   |  | 3900                          | 721            | 550          |                 |
| MILLER, EAST OF BRIDGE |   |  |   |                            |  |   |  | 7741   |  | 9139                          | 1633           |              | 288             |
| SOUTHPOINTE            |   |  |   |                            |  |   |  | 1345   |  | 1290                          | 472            |              |                 |
| RAMP B-1               |   |  | 21  |                            |  |   |  |  | 1847   |                               | 98             |              |                 |
| RAMP B-2               |   |  | 12  |                            |  |   |  |  | 2726   |                               | 128            |              |                 |
| RAMP B-3               |   |  | 29  |                            |  |   |  |  | 2450   |                               | 87             |              |                 |
| RAMP B-4               |   |  | 8   |                            |  |   |  |  | 1949   |                               | 103            |              |                 |
| I.R. 77 LEFT           | 588   | 417  | 60  | 470                        | 325  | 284   | 126  |  |  |                               |                | 50           |                 |
| I.R. 77 RIGHT          | 242   |  |   | 133                        | 92   | 107   |  |  |  |                               |                |              |                 |
| PAVEMENT REMOVED       |   |  |   |                            |  |   |  |  |  |                               |                |              |                 |
| <b>SUBTOTAL</b>        | <b>830</b>  | <b>417</b>   | <b>130</b>  | <b>603</b>                 | <b>417</b>   | <b>391</b>  | <b>126</b>   | <b>13175</b>   | <b>8972</b>  | <b>14329</b>                  | <b>3242</b>    | <b>600</b>   | <b>288</b>      |
| <b>TOTAL</b>           |   | <b>1247</b>  | <b>130</b>  | <b>603</b>                 | <b>417</b>   |   | <b>517</b>   | <b>13175</b>   | <b>8972</b>  | <b>14329</b>                  | <b>3242</b>    | <b>600</b>   | <b>288</b>      |



CUY-77-00.42 PART 1

PID# 104983

PAVEMENT CALCULATIONS FOR MILLER RD. EAST OF BRIDGE

| STATION TO STATION     |          | SIDE | LENGTH<br>L (FT) | AVERAGE WIDTH<br>W (FT) | SURFACE AREA<br>A = LxW (SF) | CADD GENERATED<br>AREA (SF) | 204                    | 204               | 304               | 451  | 608                              | 609            |
|------------------------|----------|------|------------------|-------------------------|------------------------------|-----------------------------|------------------------|-------------------|-------------------|--|----------------------------------|----------------|
|                        |          |      |                  |                         |                              |                             | SUBGRADE<br>COMPACTION | GEOTEXTILE FABRIC | 6" AGGREGATE BASE | 11" REINFORCED<br>CONCRETE PAVEMENT,<br>CLASS QC 1P WITH QC/QA | 4" CONCRETE WALK,<br>AS PER PLAN | CURB, TYPE 2-A |
|                        |          |      |                  |                         |                              |                             | SY                     | SY                | CY                | SY   | SF                               | FT             |
| MILLER, EAST OF BRIDGE |          |      | FT               | FT                      | SF                           | SF                          |                        |                   |                   |  |                                  |                |
| 74+57.52               | 74+77.52 |      | 20               | 82.50                   | 1650.00                      |                             | 183.33                 | 183.33            | 30.56             |  |                                  |                |
| 74+77.52               | 75+16.13 | RT   | 38.61            | 26.50                   |                              | 935.77                      |                        |                   |                   | 103.97   |                                  | 38.61          |
|                        |          |      |                  | 27.67                   | 1068.21                      |                             |                        |                   | 19.78             |  |                                  |                |
|                        |          |      |                  | 27.50                   | 1061.77                      |                             | 117.97                 |                   |                   |  |                                  |                |
| 75+04.00               | 75+10.00 | RT   | 6.00             | 5.50                    | 33.00                        |                             |                        |                   |                   | 33.00  |                                  |                |
| 75+16.13               | 75+95.90 | RT   | 79.77            | 26.50                   | 2113.90                      |                             |                        |                   |                   | 234.88   |                                  |                |
|                        |          |      |                  | 26.50                   | 2113.90                      |                             |                        |                   | 39.15             |  |                                  |                |
|                        |          |      |                  | 26.50                   | 2113.90                      |                             | 234.88                 |                   |                   |  |                                  |                |
| 75+96.44               | 76+89.10 | RT   | 92.66            | 5.50                    | 508.01                       |                             |                        |                   |                   | 508.01   |                                  |                |
| 75+95.90               | 76+88.82 | RT   | 92.92            | 26.50                   | 2462.38                      | 2585.45                     |                        |                   |                   | 287.27   |                                  | 92.92          |
|                        |          |      |                  | 26.50                   | 2462.38                      |                             |                        |                   | 45.60             |  |                                  |                |
|                        |          |      |                  | 26.50                   | 2462.38                      |                             | 273.60                 |                   |                   |  |                                  |                |
| 76+88.82               | 77+55.00 | RT   | 66.18            | 26.50                   | 1830.98                      | 1825.08                     |                        |                   |                   | 202.79   |                                  | 66.18          |
|                        |          |      |                  | 27.67                   | 1830.98                      |                             |                        |                   | 33.91             |  |                                  |                |
|                        |          |      |                  | 27.50                   | 1819.95                      |                             | 202.22                 |                   |                   |  |                                  |                |
| 76+89.10               | 80+70.50 | RT   | 381.4            | 5.50                    | 2097.70                      |                             |                        |                   |                   | 2097.70  |                                  |                |
| 77+55.00               | 80+70.50 | RT   | 315.5            | 26.50                   | 8360.75                      |                             |                        |                   |                   | 928.97   |                                  | 315.50         |
|                        |          |      |                  | 26.50                   | 8360.75                      |                             |                        |                   |                   |  |                                  |                |
|                        |          |      |                  | 27.67                   | 8728.83                      |                             |                        |                   | 161.65            |  |                                  |                |
|                        |          |      |                  | 27.50                   | 8676.25                      |                             | 964.03                 |                   |                   |  |                                  |                |
| 80+70.50               | 82+06.40 | RT   | 135.9            | 5.50                    | 747.45                       |                             |                        |                   |                   | 747.45   |                                  |                |
| 80+70.50               | 82+71.44 | RT   | 200.94           | 30.05                   | 6038.81                      |                             |                        |                   |                   | 670.98   |                                  | 200.94         |
|                        |          |      |                  | 31.22                   | 6273.24                      |                             |                        |                   |                   |  |                                  |                |
|                        |          |      |                  | 31.05                   | 6239.75                      |                             | 693.31                 |                   |                   |  |                                  |                |
| 82+06.40               | 82+82.90 | RT   | 76.5             | 5.00                    | 408.31                       |                             |                        |                   |                   | 408.31   |                                  |                |
| 82+71.44               | 82+94.60 | RT   | 23.16            | 35.17                   | 814.65                       |                             |                        |                   |                   | 90.52  |                                  | 23.16          |
|                        |          |      |                  | 36.34                   | 826.23                       |                             |                        |                   | 15.30             |  |                                  |                |
|                        |          |      |                  | 36.17                   | 849.39                       |                             | 94.38                  |                   |                   |  |                                  |                |
| 82+94.60               | 84+40.00 | RT   | 145.4            | 35.50                   | 5161.70                      |                             |                        |                   |                   | 573.52   |                                  |                |
|                        |          |      |                  | 35.50                   | 5161.70                      |                             |                        |                   | 95.59             |  |                                  |                |
|                        |          |      |                  | 35.50                   | 5161.70                      |                             | 573.52                 |                   |                   |  |                                  |                |
| 82+97.41               | 83+09.43 | RT   | 12.02            | 5.00                    | 68.01                        |                             |                        |                   |                   | 68.01  |                                  |                |
| 84+10.10               | 84+19.22 | RT   | 9.12             | 5.00                    | 50.17                        |                             |                        |                   |                   | 50.17  |                                  |                |
| 84+37.25               | 84+53.76 | RT   | 16.51            | 5.00                    | 82.55                        |                             |                        |                   |                   | 82.55  |                                  |                |
| 84+40.00               | 84+53.76 | RT   | 13.76            | 27.53                   | 378.78                       |                             |                        |                   |                   | 42.09  |                                  | 13.76          |
|                        |          |      |                  | 28.69                   | 392.54                       |                             |                        |                   | 7.27              |  |                                  |                |
|                        |          |      |                  | 28.53                   | 399.42                       |                             | 44.38                  |                   |                   |  |                                  |                |
| 84+53.76               | 87+30.50 |      |                  |                         | 1014.00                      |                             |                        |                   |                   |  |                                  |                |
|                        |          |      |                  |                         | 1014.00                      |                             |                        |                   | 43.81             |  |                                  |                |
| 74+77.52               | 75+17.67 | LT   | 40.15            | 38.00                   | 1705.13                      |                             |                        |                   |                   | 189.46   |                                  | 40.15          |
|                        |          |      |                  | 38.50                   | 1725.20                      |                             |                        |                   | 31.95             |  |                                  |                |
| 74+65.84               | 74+95.17 | LT   | 29.33            | 7.50                    | 244.78                       |                             |                        |                   |                   | 244.78   |                                  |                |
| 75+17.67               | 75+95.00 | LT   | 77.33            | 38.00                   | 2938.54                      |                             |                        |                   |                   | 326.50   |                                  |                |
|                        |          |      |                  | 38.00                   | 2938.54                      |                             |                        |                   | 54.42             |  |                                  |                |
|                        |          |      |                  | 38.00                   | 2938.54                      |                             | 326.50                 |                   |                   |  |                                  |                |
| 75+89.02               | 76+52.26 | LT   | 63.24            | 6.00                    | 470.22                       |                             |                        |                   |                   | 470.22   |                                  |                |
| 75+95.00               | 77+55.00 | LT   | 160              |                         | 1578.56                      |                             |                        |                   |                   |  |                                  |                |
|                        |          |      |                  |                         | 1578.56                      |                             |                        |                   | 68.21             |  |                                  |                |
| 75+95.00               | 76+12.24 | LT   | 17.24            |                         | 471.35                       |                             |                        |                   |                   | 52.37  |                                  |                |
|                        |          |      |                  |                         | 471.35                       |                             |                        |                   | 8.73              |  |                                  |                |
|                        |          |      |                  |                         | 471.35                       |                             | 52.37                  |                   |                   |  |                                  |                |

CUY-77-00.42 PART 1

PID# 104983

PAVEMENT CALCULATIONS FOR MILLER RD. EAST OF BRIDGE

| STATION TO STATION |          | SIDE  | LENGTH<br>L (FT) | AVERAGE WIDTH<br>W (FT) | SURFACE AREA<br>A = LxW (SF) | CADD GENERATED<br>AREA (SF) | 204                    | 204               | 304               | 451  | 608                              | 609            |
|--------------------|----------|-------|------------------|-------------------------|------------------------------|-----------------------------|------------------------|-------------------|-------------------|--|----------------------------------|----------------|
|                    |          |       |                  |                         |                              |                             | SUBGRADE<br>COMPACTION | GEOTEXTILE FABRIC | 6" AGGREGATE BASE | 11" REINFORCED<br>CONCRETE PAVEMENT,<br>CLASS QC 1P WITH QC/QA | 4" CONCRETE WALK,<br>AS PER PLAN | CURB, TYPE 2-A |
|                    |          |       |                  |                         |                              |                             | SY                     | SY                | CY                | SY   | SF                               | FT             |
| 76+12.24           | 76+52.27 | LT    | 40.03            | 37.86                   |                              | 1515.73                     |                        |                   |                   | 168.41   |                                  | 40.03          |
|                    |          |       |                  | 39.03                   |                              | 1535.75                     |                        |                   | 28.44             |  |                                  |                |
|                    |          |       |                  | 40.36                   |                              | 1575.78                     | 175.09                 |                   |                   |  |                                  |                |
| 76+52.26           | 80+95.02 | LT    | 442.76           | 7.50                    | 3320.70                      |                             |                        |                   |                   |  | 3320.70                          |                |
| 76+52.27           | 77+55.00 | LT    | 102.73           | 38.56                   |                              | 3961.27                     |                        |                   | 440.14            |  |                                  | 102.73         |
|                    |          |       |                  | 39.73                   |                              | 4012.64                     |                        |                   | 74.31             |  |                                  |                |
|                    |          |       |                  | 41.06                   |                              | 4115.37                     | 457.26                 |                   |                   |  |                                  |                |
| 77+55.00           | 80+95.00 | LT    | 340              | 49.50                   | 16830.00                     |                             |                        |                   |                   | 1870.00  |                                  | 340.00         |
|                    |          |       |                  | 50.67                   | 17226.67                     |                             |                        |                   | 319.01            |  |                                  |                |
|                    |          |       |                  | 50.50                   | 17170.00                     |                             | 1901.78                |                   |                   |  |                                  |                |
| 80+95.00           | 82+88.17 | LT    | 193.17           | 5.00                    | 965.85                       |                             |                        |                   |                   | 965.85   |                                  |                |
| 80+95.00           | 82+82.98 | LT    | 187.98           | 43.73                   |                              | 8230.80                     |                        |                   | 914.53            |  |                                  | 187.98         |
|                    |          |       |                  | 44.95                   |                              | 8324.79                     |                        |                   | 154.16            |  |                                  |                |
|                    |          |       |                  | 44.79                   |                              | 8512.77                     | 945.86                 |                   |                   |  |                                  |                |
| 82+82.98           | 82+94.60 | LT    | 11.62            | 38.05                   |                              | 442.19                      |                        |                   |                   | 49.13  |                                  | 11.62          |
|                    |          |       |                  | 39.22                   |                              | 448.00                      |                        |                   | 8.30              |  |                                  |                |
|                    |          |       |                  | 39.05                   |                              | 459.62                      | 51.07                  |                   |                   |  |                                  |                |
| 83+00.80           | 83+11.74 | LT    | 10.94            | 5.00                    |                              | 59.00                       |                        |                   |                   | 59.00  |                                  |                |
| 82+94.60           | 84+40.00 | LT    | 145.4            | 35.00                   | 5089.00                      |                             |                        |                   | 565.44            |  |                                  | 145.40         |
|                    |          |       |                  | 35.00                   | 5089.00                      |                             |                        |                   | 94.24             |  |                                  |                |
|                    |          |       |                  | 35.00                   | 5089.00                      |                             | 565.44                 |                   |                   |  |                                  |                |
| 84+37.90           | 84+53.76 | LT    | 15.86            | 5.00                    |                              | 83.60                       |                        |                   |                   | 83.60  |                                  |                |
| 84+40.00           | 84+53.76 | LT    | 13.76            | 39.52                   |                              | 543.78                      |                        |                   | 60.42             |  |                                  | 13.76          |
|                    |          |       |                  | 39.52                   |                              | 557.54                      |                        |                   | 10.32             |  |                                  |                |
|                    |          |       |                  | 39.52                   |                              | 585.06                      | 65.01                  |                   |                   |  |                                  |                |
| 74+77.52           | 83+00.00 | LT/RT | 822.48           | 87.50                   | 69942.68                     |                             |                        |                   | 7771.41           |  |                                  |                |
| <b>TOTALS</b>      |          |       |                  |                         |                              |                             | <b>7928.00</b>         | <b>7954.74</b>    | <b>1460.87</b>    | <b>7771.41</b>   | <b>9139.35</b>                   | <b>1632.74</b> |

CALCULATED BY: COM 12/10/21

CHECKED BY: ESM 12/20/21

CUY-77-00.42 PART 1

PID# 104983

PAVEMENT CALCULATIONS FOR SOUTHPOINTE

| STATION TO STATION             | SIDE     | LENGTH<br>L (FT) | AVERAGE WIDTH<br>W (FT) | SURFACE AREA<br>A=LxW (SF) | CADD GENERATED<br>AREA (SF) | 204                    | 304               | 451                                 | 608                              | 609            |
|--------------------------------|----------|------------------|-------------------------|----------------------------|-----------------------------|------------------------|-------------------|-------------------------------------|----------------------------------|----------------|
|                                |          |                  |                         |                            |                             | SUBGRADE<br>COMPACTION | 6" AGGREGATE BASE | 11" REINFORCED<br>CONCRETE PAVEMENT | 4" CONCRETE WALK,<br>AS PER PLAN | CURB, TYPE 2-A |
|                                |          |                  |                         |                            |                             | SY                     | CY                | SY                                  | SF                               | FT             |
| <b>SOUTHPOINTE, SOUTH SIDE</b> |          |                  |                         |                            |                             |                        |                   |                                     |                                  |                |
| 18+63.60                       | 19+36.93 | RT               | 73.33                   | 5.00                       | 366.65                      |                        |                   |                                     | 366.65                           |                |
| 18+58.80                       | 19+15.39 | RT               | 56.69                   | 24.25                      | 1372.31                     |                        |                   | 152.48                              |                                  | 56.59          |
|                                |          |                  |                         | 25.42                      | 1438.33                     |                        | 26.64             |                                     |                                  |                |
|                                |          |                  |                         | 25.75                      | 1457.19                     | 161.91                 |                   |                                     |                                  |                |
| 19+15.39                       | 19+64.95 | RT               | 49.56                   | 35.18                      | 1743.74                     |                        |                   | 193.75                              |                                  | 74.95          |
|                                |          |                  |                         | 36.35                      | 1801.56                     |                        | 33.36             |                                     |                                  |                |
|                                |          |                  |                         | 36.68                      | 1818.08                     | 202.01                 |                   |                                     |                                  |                |
| 20+35.00                       | 20+85.42 | RT               | 50.42                   | 42.76                      | 2156.12                     |                        |                   | 239.57                              |                                  | 78.78          |
|                                |          |                  |                         | 45.10                      | 2273.77                     |                        | 42.11             |                                     |                                  |                |
|                                |          |                  |                         | 45.76                      | 2307.38                     | 256.38                 |                   |                                     |                                  |                |
| 20+64.76                       | 21+19.47 | RT               | 54.71                   | 5.00                       | 273.55                      |                        |                   |                                     | 273.55                           |                |
| 20+85.42                       | 21+19.47 | RT               | 34.05                   | 26.00                      | 886.30                      |                        |                   | 98.37                               |                                  | 34.05          |
|                                |          |                  |                         | 27.00                      | 919.35                      |                        | 17.02             |                                     |                                  |                |
|                                |          |                  |                         | 29.00                      | 987.45                      | 109.72                 |                   |                                     |                                  |                |
| 18+58.80                       | 19+35.76 | LT               | 76.96                   | 5.00                       | 384.80                      |                        |                   |                                     | 384.80                           |                |
| 18+58.80                       | 18+98.80 | LT               | 40.01                   | 17.18                      | 687.55                      |                        |                   | 76.39                               |                                  | 40.01          |
|                                |          |                  |                         | 18.35                      | 734.23                      |                        | 13.60             |                                     |                                  |                |
|                                |          |                  |                         | 18.68                      | 747.57                      | 83.06                  |                   |                                     |                                  |                |
| 18+98.80                       | 19+64.95 | LT               | 66.15                   | 35.32                      | 2336.17                     |                        |                   | 259.57                              |                                  | 85.37          |
|                                |          |                  |                         | 36.48                      | 2413.35                     |                        | 44.69             |                                     |                                  |                |
|                                |          |                  |                         | 36.82                      | 2435.40                     | 270.60                 |                   |                                     |                                  |                |
| 20+35.00                       | 20+87.59 | LT               | 52.59                   | 39.22                      | 2062.76                     |                        |                   | 229.20                              |                                  | 70.20          |
|                                |          |                  |                         | 41.56                      | 2185.47                     |                        | 40.47             |                                     |                                  |                |
|                                |          |                  |                         | 42.22                      | 2220.53                     | 246.73                 |                   |                                     |                                  |                |
| 20+66.54                       | 21+19.47 | LT               | 52.93                   | 5.00                       | 264.65                      |                        |                   |                                     | 264.65                           |                |
| 20+87.59                       | 21+19.47 | LT               | 31.88                   | 27.00                      | 860.76                      |                        |                   | 95.64                               |                                  | 31.88          |
|                                |          |                  |                         | 29.33                      | 935.15                      |                        | 17.32             |                                     |                                  |                |
|                                |          |                  |                         | 30.00                      | 956.40                      | 106.27                 |                   |                                     |                                  |                |
| <b>TOTALS</b>                  |          |                  |                         |                            |                             | <b>1436.67</b>         | <b>235.21</b>     | <b>1344.97</b>                      | <b>1289.65</b>                   | <b>471.83</b>  |

CALCULATED BY: COM 12/10/21

CHECKED BY: ESM 12/20/21

CUY-77-00.42 PART 1  
PID# 104983  
PAVEMENT CALCULATIONS FOR I.R. 77 (LEFT)

| STATION TO STATION | SIDE     | LENGTH L (FT) | AVERAGE WIDTH W (FT) | SURFACE AREA A=LXW (SF) | CADD GENERATED AREA (SF) | 204                 | 204               | 209                                    | 254  | 254   | 302   | 304               | 407   | 407  | 441                        | 441   | 442  | 442   | 442  | 609          |  |
|--------------------|----------|---------------|----------------------|-------------------------|--------------------------|---------------------|-------------------|--|--|---|---|-------------------|---|--|----------------------------|---|--|---|--|--------------|--|
|                    |          |               |                      |                         |                          | SUBGRADE COMPACTION | GEOTEXTILE FABRIC | RESHAPING UNDER GUARDRAIL, AS PER PLAN | PAVEMENT PLANING, ASPHALT CONCRETE (T = 3.25") | PAVEMENT PLANING, ASPHALT CONCRETE (VARIABLE THICKNESS) | 7.5" ASPHALT CONCRETE BASE, (449), AS PER PLAN (P.064-22) | 6" AGGREGATE BASE | NON-TRACKING TACK COAT (0.05% GAL/SY NEW ASPHALT) | NON-TRACKING TACK COAT (0.085 GAL/SY MILLED ASPHALT) | ANTI-SEGREGATION EQUIPMENT | ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I, (449), (UNDER GUARDRAIL), AS PER PLAN | 1.5" ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446), AS PER PLAN | 1.75" ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (446) | (VARIABLE DEPTH) ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (446), AS PER PLAN (AVG. T = 1.78") | CURB, TYPE 6 |  |
|                    |          | FT            | FT                   | SF                      | SF                       | SY                  | SY                | STA                                    | SY   | SY  | CY  | CY                | GAL   | GAL  | CY                         | CY  | CY   | CY  | CY   | FT           |  |
| I.R. 77 (LEFT)     |          |               |                      |                         |                          |                     |                   |  |  |   |   |                   |   |  |                            |   |  |   |  |              |  |
| 18+00.00           | 20+03.00 | LT            | 203.00               | 48.00                   | 9744.00                  |                     |                   |  |  | 1082.67   |   |                   | 59.55   | 92.03  | 97.74                      |   | 45.11  | 52.63   |  |              |  |
|                    |          |               |                      | 12.00                   | 2436.00                  |                     |                   |  | 270.67   |   |   |                   | 14.89   | 23.01  | 11.28                      |   | 11.28  |   |  |              |  |
|                    |          |               |                      | 12.00                   | 2436.00                  |                     |                   |  |  |   |   |                   |   |  |                            |   |  |   | 14.10  |              |  |
|                    |          |               |                      | 9.41                    |                          | 1910.77             |                   |  |  |   |   |                   | 23.35   |  |                            |   | 8.85   | 10.32   |  |              |  |
|                    |          |               |                      | 9.75                    | 1978.44                  |                     |                   |  |  | 45.80   |   |                   |   |  |                            |   |  |   |  |              |  |
|                    |          |               |                      | 10.25                   | 2079.94                  |                     |                   |  |  |   | 38.52   |                   |   |  |                            |   |  |   |  |              |  |
|                    |          |               |                      | 10.91                   | 2215.27                  |                     |                   |  |  |   |   |                   |   |  |                            |   |  |   |  |              |  |
|                    |          |               |                      | 4.00                    | 812.00                   |                     |                   | 2.03                                   |  |   |   |                   |   |  |                            |   |  |   |  |              |  |
| 20+03.00           | 21+11.00 | LT            | 108.00               | 48.00                   | 5184.00                  |                     |                   |  |  | 576.00  |   |                   | 31.68   | 48.96  | 52.00                      | 7.52  | 24.00  | 28.00   |  |              |  |
|                    |          |               |                      | 12.00                   | 1296.00                  |                     |                   |  | 144.00   |   |   |                   | 7.92  | 12.24  | 6.00                       |   | 6.00   |   |  |              |  |
|                    |          |               |                      | 12.00                   | 1296.00                  |                     |                   |  |  |   |   |                   |   |  |                            |   |  |   | 7.50   |              |  |
|                    |          |               |                      | 3.87                    |                          | 418.02              |                   |  |  |   |   |                   | 5.11  |  |                            |   | 1.94   | 2.26  |  |              |  |
|                    |          |               |                      | 4.20                    | 454.02                   |                     |                   |  |  | 10.51   |   |                   |   |  |                            |   |  |   |  |              |  |
|                    |          |               |                      | 4.70                    | 508.02                   |                     |                   |  |  |   | 9.41  |                   |   |  |                            |   |  |   |  |              |  |
|                    |          |               |                      | 5.37                    | 580.02                   |                     |                   |  |  |   |   |                   |   |  |                            |   |  |   |  |              |  |
|                    |          |               |                      | 12.00                   | 1296.00                  |                     |                   |  |  |   |   |                   |   |  |                            |   |  |   | 7.50   |              |  |
| 20+60.83           | 21+11.00 | LT            | 50.17                |                         |                          |                     |                   |  |  |   |   |                   |   |  |                            |   |  |   |  | 50.17        |  |
| 21+11.00           | 21+73.00 | LT            | 62.00                | 48.00                   | 2976.00                  |                     |                   |  |  | 330.67  |   |                   | 18.19   | 28.11  | 29.85                      |   | 13.78  | 16.07   |  |              |  |
|                    |          |               |                      | 12.00                   | 744.00                   |                     |                   |  | 82.67  |   |   |                   | 4.55  | 7.03   | 3.44                       |   | 3.44   |   |  |              |  |
|                    |          |               |                      | 12.00                   | 744.00                   |                     |                   |  |  |   |   |                   |   |  |                            |   |  |   | 4.31   |              |  |
|                    |          |               |                      | 7.00                    |                          | 434.00              |                   |  |  |   |   |                   | 5.30  |  |                            |   | 2.01   | 2.34  |  |              |  |
|                    |          |               |                      | 7.33                    | 454.67                   |                     |                   |  |  | 10.52   |   |                   |   |  |                            |   |  |   |  |              |  |
|                    |          |               |                      | 7.83                    | 485.67                   |                     |                   |  |  |   | 8.99  |                   |   |  |                            |   |  |   |  |              |  |
|                    |          |               |                      | 8.50                    | 527.00                   |                     |                   |  |  |   |   |                   |   |  |                            |   |  |   | 4.31   |              |  |
|                    |          |               |                      | 12.00                   | 744.00                   |                     |                   |  |  |   |   |                   |   |  |                            |   |  |   |  |              |  |
|                    |          |               |                      | 4.00                    | 248.00                   |                     |                   | 0.62                                   |  |   |   |                   |   |  |                            |   |  |   |  |              |  |
| 21+73.00           | 23+53.00 | LT            | 180.00               | 48.00                   | 8640.00                  |                     |                   |  |  | 960.00  |   |                   | 52.80   | 81.60  | 86.67                      | 2.30  | 40.00  | 46.67   |  |              |  |
|                    |          |               |                      | 12.00                   | 2160.00                  |                     |                   |  | 240.00   |   |   |                   | 13.20   | 20.40  | 10.00                      |   | 10.00  |   |  |              |  |
|                    |          |               |                      | 12.00                   | 2160.00                  |                     |                   |  |  |   |   |                   |   |  |                            |   |  |   | 12.50  |              |  |
|                    |          |               |                      | 9.17                    |                          | 1650.00             |                   |  |  |   |   |                   | 20.17   |  |                            |   | 7.64   | 8.91  |  |              |  |
|                    |          |               |                      | 9.50                    | 1710.00                  |                     |                   |  |  | 39.58   |   |                   |   |  |                            |   |  |   |  |              |  |
|                    |          |               |                      | 10.00                   | 1800.00                  |                     |                   |  |  |   | 33.33   |                   |   |  |                            |   |  |   |  |              |  |
|                    |          |               |                      | 10.67                   | 1920.00                  |                     |                   |  |  |   |   |                   |   |  |                            |   |  |   |  |              |  |
|                    |          |               |                      | 12.00                   | 2160.00                  |                     |                   |  |  |   |   |                   |   |  |                            |   |  |   | 12.50  |              |  |
|                    |          |               |                      | 4.00                    | 720.00                   |                     |                   | 1.80                                   |  |   |   |                   |   |  |                            |   |  |   |  |              |  |
| 23+53.00           | 25+45.02 | LT            | 192.02               | 8.00                    | 1536.16                  |                     |                   |  |  |   |   |                   | 18.78   |  |                            |   | 7.11   | 8.30  |  |              |  |
|                    |          |               |                      | 8.33                    | 1600.17                  |                     |                   |  |  |   |   |                   |   |  |                            |   |  |   |  |              |  |
|                    |          |               |                      | 8.83                    | 1696.18                  |                     |                   |  |  |   |   |                   |   |  |                            |   |  |   |  |              |  |
|                    |          |               |                      | 9.50                    | 1824.19                  |                     |                   |  |  |   |   |                   |   |  |                            |   |  |   |  |              |  |
|                    |          |               |                      | 12.00                   | 2304.24                  |                     |                   |  |  | 256.03  |   |                   | 14.08   | 21.76  | 10.67                      |   | 10.67  |   |  | 13.33        |  |
|                    |          |               |                      | 4.00                    | 768.08                   |                     |                   | 1.92                                   |  |   |   |                   |   |  |                            |   |  |   |  |              |  |
| 25+45.02           | 31+95.02 | LT            | 650.00               | 6.34                    | 4118.06                  | 457.56              |                   |  |  | 95.33   | 76.26   |                   | 50.33   |  | 41.31                      |   | 19.07  | 22.24   |  |              |  |
|                    |          |               |                      | 8.00                    | 5200.00                  |                     |                   |  |  |   |   |                   | 63.56   |  |                            |   | 24.07  | 28.09   |  |              |  |
|                    |          |               |                      | 8.33                    | 5416.67                  |                     |                   |  |  | 125.39  |   |                   |   |  |                            |   |  |   |  |              |  |
|                    |          |               |                      | 8.83                    | 5741.67                  |                     |                   |  |  |   | 106.33  |                   |   |  |                            |   |  |   |  |              |  |
|                    |          |               |                      | 9.50                    | 6175.00                  | 686.11              |                   |  |  |   |   |                   |   |  |                            |   |  |   |  |              |  |
|                    |          |               |                      | 12.00                   | 7800.00                  |                     |                   |  |  | 866.67  |   |                   | 47.67   | 73.67  | 36.11                      |   | 36.11  |   |  | 45.14        |  |
| 25+45.02           | 35+23.87 | LT            | 978.85               | 4.00                    | 3915.40                  |                     |                   | 9.79                                   |  |   |   |                   |   |  |                            |   |  |   |  |              |  |
| 31+95.02           | 32+45.83 | LT            | 50.81                | 7.00                    |                          | 1039.50             |                   |  |  |   |   |                   | 12.71   |  |                            |   | 4.81   | 5.61  |  |              |  |
|                    |          |               |                      | 7.33                    | 372.61                   |                     |                   |  |  | 8.63  |   |                   |   |  |                            |   |  |   |  |              |  |

CUY-77-00.42 PART 1

PID# 104983

PAVEMENT CALCULATIONS FOR I.R. 77 (LEFT)

| STATION TO STATION | SIDE     | LENGTH L (FT) | AVERAGE WIDTH W (FT) | SURFACE AREA A = LXW (SF) | CADD GENERATED AREA (SF) | 204                 | 204               | 209                                    | 254  | 254   | 302   | 304               | 407   | 407  | 441                        | 441   | 442  | 442   | 442   | 609          |
|--------------------|----------|---------------|----------------------|---------------------------|--------------------------|---------------------|-------------------|--|--|---|---|-------------------|---|--|----------------------------|---|--|---|---|--------------|
|                    |          |               |                      |                           |                          | SUBGRADE COMPACTION | GEOTEXTILE FABRIC | RESHAPING UNDER GUARDRAIL, AS PER PLAN | PAVEMENT PLANING, ASPHALT CONCRETE (T = 3.25') | PAVEMENT PLANING, ASPHALT CONCRETE (VARIABLE THICKNESS) | 7.5" ASPHALT CONCRETE BASE, (449), AS PER PLAN (P.064+22) | 6" AGGREGATE BASE | NON-TRACKING TACK COAT (0.055 GAL/SY NEW ASPHALT) | NON-TRACKING TACK COAT (0.085 GAL/SY MILLED ASPHALT) | ANTI-SEGREGATION EQUIPMENT | ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I, (449), (UNDER GUARDRAIL), AS PER PLAN | 1.5" ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446), AS PER PLAN | 1.75" ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (446) | (VARIABLE DEPTH) ASPHALT CONCRETE INTERMEDIATE COURSE 19 MM, TYPE A (446), AS PER PLAN (AVG. T = 1.78') | CURB, TYPE 6 |
|                    |          |               |                      |                           |                          | SY                  | SY                | STA                                    | SY   | SY  | CY  | CY                | GAL   | GAL  | CY                         | CY  | CY   | CY  | CY  | FT           |
|                    |          |               | 7.83                 | 398.01                    |                          |                     |                   |  |  |   |   | 7.37              |   |  |                            |   |  |   |   |              |
|                    |          |               | 8.50                 | 431.89                    |                          | 47.99               |                   |  |  |   |   |                   |   |  |                            |   |  |   |   |              |
|                    |          |               | 13.00                | 660.53                    |                          | 73.39               |                   |  |  |   |   |                   |   |  |                            |   |  |   |   |              |
|                    |          |               | 12.00                | 609.72                    |                          |                     |                   |  |  | 67.75   | 15.29   | 12.23             | 8.07  |  | 6.63                       |   | 3.06   | 3.57  |   |              |
| 32+45.83           | 32+71.09 | LT            | 25.26                | 303.12                    |                          |                     |                   |  | 33.68  |   |   |                   | 3.73  | 5.76   | 2.82                       |   | 2.82   |   | 3.53  |              |
|                    |          |               | 6.00                 | 151.56                    |                          |                     |                   |  |  |   |   |                   | 1.85  | 2.86   | 1.40                       |   | 1.40   |   | 1.75  |              |
|                    |          |               | 6.33                 | 159.98                    |                          |                     |                   |  |  | 3.70  |   |                   |   |  |                            |   | 0.70   | 0.82  |   |              |
|                    |          |               | 6.83                 | 172.61                    |                          |                     |                   |  |  |   |   | 3.20              |   |  |                            |   |  |   |   |              |
|                    |          |               | 7.50                 | 189.45                    |                          | 21.05               |                   |  |  |   |   |                   |   |  |                            |   |  |   |   |              |
|                    |          |               | 12.75                | 322.07                    |                          | 35.79               |                   |  |  | 7.46  | 5.96  | 3.94              |   |  | 3.23                       |   | 1.49   | 1.74  |   |              |
| 32+71.09           | 34+16.19 | LT            | 145.10               | 23.49                     | 3408.00                  | 378.67              |                   |  |  | 78.89   | 63.11   | 41.65             |   |  | 34.19                      |   | 15.78  | 18.41   |   |              |
|                    |          |               | 6.00                 | 870.60                    |                          |                     |                   |  |  |   |   |                   | 10.64   |  |                            |   | 4.03   | 4.70  |   |              |
|                    |          |               | 6.33                 | 918.97                    |                          |                     |                   |  |  | 21.27   |   |                   |   |  |                            |   |  |   |   |              |
|                    |          |               | 6.83                 | 991.52                    |                          |                     |                   |  |  |   |   | 18.36             |   |  |                            |   |  |   |   |              |
|                    |          |               | 7.50                 | 1088.25                   |                          | 120.92              |                   |  |  |   |   |                   |   |  |                            |   |  |   |   |              |
| 34+16.19           | 35+23.87 | LT            | 107.68               | 33.56                     | 3613.52                  | 401.50              |                   |  |  | 83.65   | 66.92   | 44.17             |   |  | 36.25                      |   | 16.73  | 19.52   |   |              |
|                    |          |               | 6.00                 | 646.08                    |                          |                     |                   |  |  |   |   |                   | 7.90  |  |                            |   | 2.99   | 3.49  |   |              |
|                    |          |               | 6.33                 | 681.97                    |                          |                     |                   |  |  | 15.79   |   |                   |   |  |                            |   |  |   |   |              |
|                    |          |               | 6.83                 | 735.81                    |                          |                     |                   |  |  |   |   | 13.63             |   |  |                            |   |  |   |   |              |
|                    |          |               | 7.50                 | 807.60                    |                          | 89.73               |                   |  |  |   |   |                   |   |  |                            |   |  |   |   |              |
| 18+26.00           | 21+75.00 | LT            | 349.00               | 8.67                      |                          | 336.20              |                   |  |  |   |   |                   |   |  |                            |   |  |   |   |              |
| <b>TOTALS</b>      |          |               |                      |                           |                          | <b>3097.87</b>      | <b>336.20</b>     | <b>16.16</b>                           | <b>737.33</b>                                  | <b>4173.45</b>  | <b>598.83</b>   | <b>495.03</b>     | <b>587.61</b>                                     | <b>417.42</b>  | <b>469.58</b>              | <b>59.85</b>  | <b>324.89</b>  | <b>283.69</b>   | <b>126.46</b>   | <b>50.17</b> |

CALCULATED BY: COM 12/20/21  
 CHECKED BY: ESM 12/21/21  
 CHECKED BY: DTB 5/30/22

