| STATION | 204 | | 204 | | | 206 | 206 | 206 |
|---|---|---|---|---|---|---|---|---|
| | SUBGRADE COMPACTION | | PROOF ROLLING (1 HOUR/2000 SY) | | | CEMENT (0.75 X T X 110 X 0.06) LB/SY | CURING COAT | CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP |
| | SY | | HOUR | | | TON | SY | SY |
| | 01/NHS/PV 02/NHS/PV | 03/ENH/PV 04/ENH/PV | 01/NHS/PV 02/NHS/PV | 03/ENH/PV 04/ENH/PV | | 01/NHS/PV 02/NHS/PV | 01/NHS/PV 02/NHS/PV | 01/NHS/PV 02/NHS/PV |
| 2 | 1512 | | 22.3 | | | 1276 | 42943 | 42943 |
| 3 | 1512 | | 21.9 | | | 1251 | 42107 | 42107 |
| 4 | 705 | | 1.3 | | | 54 | 1809 | 1809 |
| 5 | 623 | | 1.0 | | | 36 | 1192 | 1192 |
| 6 | 666 | | 1.4 | | | 60 | 2010 | 2010 |
| 7 | | 6328 | 3.0 | 3.2 | | 179 | 5995 | 5995 |
| 8 | 1550 | | 1.0 | | | 8 | 263 | 263 |
| 9 | 1315 | 7340 | 1.1 | 3.7 | | 26 | 863 | 863 |
| 10 | 799 | 388 | 0.4 | 0.2 | | | | |
| **TOTALS CARRIED TO THE GENERAL SUMMARY** | **8682** | **14056** | **54** | **8** | | **2890** | **97182** | **97182** |
| **STATION** | | | | | | | | |
| **TOTALS CARRIED TO THE GENERAL SUMMARY** | | | | | | | | |

CALCULATED CJC

CHECKED MRG

# SUBGRADE SUBSUMMARY

MED - 18 - 12.99

| STATION FROM | STATION TO | SIDE | LENGTH (L) | AVERAGE WIDTH (W) | SURFACE AREA (A=LxW) | CADD AREA | AREA FOR 18" EXTENSION | AREA FOR 24" EXTENSION | AREA FOR 48" EXTENSION | | 204 SUBGRADE COMPACTION | 204 PROOF ROLLING (1 HOUR/2000 SY) | | 206 CEMENT (0.75 X T X 110 X 0.06) LB/SY | 206 CURING COAT | 206 CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FROM | TO | | FT | FT | SF | SF | SF | SF | SF | | SY | HOUR | | TON | SY | SY |
| | | | | | | | | | | | 01/NHS/PV 02/NHS/PV | 01/NHS/PV 02/NHS/PV | | 01/NHS/PV 02/NHS/PV | 01/NHS/PV 02/NHS/PV | 01/NHS/PV 02/NHS/PV |
| **WESTBOUND S.R. 18** | | | | | | | | | | | | | | | | |
| **FULL DEPTH LANES** | | | | | | | | | | | | | | | | |
| 85+31.78 | 86+54.28 | LT | 122.50 | 21.27 | 2605.58 | | 183.75 | | | | | 0.155 | | 9.20 | 309.93 | 309.93 |
| 86+54.28 | 88+24.18 | LT | 169.90 | 18.00 | 3058.20 | | | | 679.60 | | | 0.208 | | 12.33 | 415.31 | 415.31 |
| 88+24.18 | 89+07.33 | LT | 83.15 | 18.00 | 1496.70 | | | | 332.60 | | | 0.102 | | 6.04 | 203.26 | 203.26 |
| 89+07.33 | 92+76.42 | LT | 369.09 | 18.00 | 6643.62 | | | | 1476.36 | | | 0.451 | | 26.80 | 902.22 | 902.22 |
| 92+76.42 | 93+59.59 | LT | 83.17 | 18.00 | 1497.06 | | | | 332.68 | | | 0.102 | | 6.04 | 203.30 | 203.30 |
| 93+59.59 | 100+03.97 | LT | 644.38 | 18.00 | 11598.84 | | | | 2577.52 | | | 0.788 | | 46.78 | 1575.15 | 1575.15 |
| 100+03.97 | 101+28.21 | LT | 124.24 | 18.00 | 2236.32 | | | | 496.96 | | | 0.152 | | 9.02 | 303.70 | 303.70 |
| 101+28.21 | 104+21.78 | LT | 293.57 | 18.00 | 5284.26 | | | | 1174.28 | | | 0.359 | | 21.31 | 717.62 | 717.62 |
| 104+21.78 | 106+66.78 | LT | 245.00 | 24.00 | 5880.00 | | | | 980.00 | | | 0.381 | | 22.64 | 762.22 | 762.22 |
| 106+66.78 | 113+27.63 | LT | 660.85 | 30.00 | 19825.50 | | | | 2643.40 | | | 1.248 | | 74.15 | 2496.54 | 2496.54 |
| 113+27.63 | 114+93.76 | LT | 166.13 | 30.00 | 4983.90 | | | | 664.52 | | | 0.314 | | 18.64 | 627.60 | 627.60 |
| 114+93.76 | 116+03.26 | LT | 109.50 | 42.00 | 4599.00 | | | | 438.00 | | | 0.280 | | 16.62 | 559.67 | 559.67 |
| 116+03.26 | 119+49.47 | LT | 346.21 | 42.00 | 14540.82 | | | | 1384.84 | | | 0.885 | | 52.55 | 1769.52 | 1769.52 |
| 119+49.47 | 119+99.47 | LT | 50.00 | 36.00 | 1800.00 | | | | 200.00 | | | 0.111 | | 6.60 | 222.22 | 222.22 |
| 119+99.47 | 121+92.59 | LT | 193.12 | 30.00 | 5793.60 | | | | 772.48 | | | 0.365 | | 21.67 | 729.56 | 729.56 |
| 121+92.59 | 122+94.59 | LT | 102.00 | 30.00 | 3060.00 | | | | 408.00 | | | 0.193 | | 11.44 | 385.33 | 385.33 |
| 122+94.59 | 130+86.53 | LT | 791.94 | 30.00 | 23758.20 | | | | 3167.76 | | | 1.496 | | 88.86 | 2991.77 | 2991.77 |
| 130+86.53 | 131+65.39 | LT | 78.86 | 30.00 | 2365.80 | | | | 315.44 | | | 0.149 | | 8.85 | 297.92 | 297.92 |
| 131+65.39 | 138+81.24 | LT | 715.85 | 30.00 | 21475.50 | | | | 2863.40 | | | 1.352 | | 80.32 | 2704.32 | 2704.32 |
| 138+81.24 | 140+36.24 | LT | 155.00 | 32.52 | 5040.60 | | | | 620.00 | | | 0.314 | | 18.68 | 628.96 | 628.96 |
| 141+65.29 | 143+20.29 | LT | 155.00 | 32.50 | 5037.50 | | | | 620.00 | | | 0.314 | | 18.67 | 628.61 | 628.61 |
| 143+20.29 | 147+61.60 | LT | 441.31 | 30.00 | 13239.30 | | | | 1765.24 | | | 0.834 | | 49.51 | 1667.17 | 1667.17 |
| 147+61.60 | 149+62.50 | LT | 200.90 | 30.00 | 6027.00 | | | | 803.60 | | | 0.379 | | 22.54 | 758.96 | 758.96 |
| 149+62.50 | 153+96.57 | LT | 434.07 | 30.00 | 13022.10 | | | | 1736.28 | | | 0.820 | | 48.70 | 1639.82 | 1639.82 |
| 153+96.57 | 154+90.00 | LT | 93.43 | 30.00 | 2802.90 | | | | 373.72 | | | 0.176 | | 10.48 | 352.96 | 352.96 |
| 154+90.00 | 155+59.91 | LT | 69.91 | 30.00 | 2097.30 | | | | 279.64 | | 264.10 | 0.132 | | | | |
| 155+59.91 | 158+90.00 | LT | 330.09 | 30.00 | 9902.70 | | | | 1320.36 | | 1247.01 | 0.624 | | | | |
| 158+90.00 | 166+18.80 | LT | 728.80 | 30.00 | 21864.00 | | | | 2915.20 | | | 1.377 | | 81.77 | 2753.24 | 2753.24 |
| 166+18.80 | 167+87.09 | LT | 168.29 | 33.16 | 5579.69 | | | | 673.16 | | | 0.347 | | 20.63 | 694.76 | 694.76 |
| 167+88.29 | 169+40.00 | LT | 151.71 | 39.16 | 5940.24 | | | | 606.84 | | | 0.364 | | 21.61 | 727.45 | 727.45 |
| 169+40.00 | 171+60.98 | LT | 220.98 | 42.00 | 9281.16 | | | | 883.92 | | | 0.565 | | 33.54 | 1129.45 | 1129.45 |
| 171+60.98 | 179+55.00 | LT | 794.02 | 42.00 | 33348.84 | | | | 3176.08 | | | 2.029 | | 120.53 | 4058.32 | 4058.32 |
| 179+55.00 | 180+45.00 | LT | 90.00 | 42.00 | 3780.00 | | | | 360.00 | | | 0.230 | | 13.66 | 460.00 | 460.00 |
| 180+45.00 | 191+58.21 | LT | 1113.21 | 42.00 | 46754.82 | | | | 4452.84 | | | 2.845 | | 168.99 | 5689.74 | 5689.74 |
| 191+58.21 | 193+71.54 | LT | 213.33 | 46.00 | 9813.18 | | | | 853.32 | | | 0.593 | | 35.20 | 1185.17 | 1185.17 |
| 193+71.54 | 197+04.74 | LT | 333.20 | 50.00 | 16660.00 | | | | 1332.80 | | | 1.000 | | 59.38 | 1999.20 | 1999.20 |
| 197+04.74 | 197+58.89 | LT | 53.72 | CADD | | 3415.75 | | 107.44 | | | | 0.196 | | 11.63 | 391.47 | 391.47 |
| **TOTALS CARRIED TO PAVEMENT SUBSUMMARY** | | | | | | | | | | | **1512** | **22.3** | | **1276** | **42943** | **42943** |

CALCULATED CJC

CHECKED MRG

# SUBGRADE CALCULATIONS

**MED - 18 - 12.99**

| STATION FROM | STATION TO | SIDE | LENGTH (L) | AVERAGE WIDTH (W) | SURFACE AREA (A=LxW) | CADD AREA | AREA FOR 18" EXTENSION | AREA FOR 24" EXTENSION | AREA FOR 48" EXTENSION | | 204 SUBGRADE COMPACTION | 204 PROOF ROLLING (1 HOUR/2000 SY) | | 206 CEMENT (0.75 X T X 110 X 0.06) LB/SY | 206 CURING COAT | 206 CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FROM | TO | | FT | FT | SF | SF | SF | SF | SF | | SY | HOUR | | TON | SY | SY |
| | | | | | | | | | | | 01/NHS/PV 02/NHS/PV | 01/NHS/PV 02/NHS/PV | | 01/NHS/PV 02/NHS/PV | 01/NHS/PV 02/NHS/PV | 01/NHS/PV 02/NHS/PV |
| **EASTBOUND S.R. 18** | | | | | | | | | | | | | | | | |
| **FULL DEPTH LANES** | | | | | | | | | | | | | | | | |
| 85+31.78 | 86+54.28 | RT | 122.50 | 21.04 | 2577.40 | | 183.75 | | | | | 0.153 | | 9.11 | 306.79 | 306.79 |
| 86+54.28 | 90+43.88 | RT | 389.60 | 18.00 | 7012.80 | | | | 1558.40 | | | 0.476 | | 28.29 | 952.36 | 952.36 |
| 90+43.88 | 90+93.88 | RT | 50.00 | 24.00 | 1200.00 | | | | 200.00 | | | 0.078 | | 4.62 | 155.56 | 155.56 |
| 90+93.88 | 92+68.88 | RT | 175.00 | 30.00 | 5250.00 | | | | 700.00 | | | 0.331 | | 19.63 | 661.11 | 661.11 |
| 92+68.88 | 93+21.15 | RT | 52.27 | 30.00 | 1568.10 | | | | 209.08 | | | 0.099 | | 5.86 | 197.46 | 197.46 |
| 93+21.15 | 93+75.65 | RT | 54.50 | 18.00 | 981.00 | | | | 218.00 | | | 0.067 | | 3.96 | 133.22 | 133.22 |
| 93+75.65 | 98+26.98 | RT | 451.33 | 18.00 | 8123.94 | | | | 1805.32 | | | 0.552 | | 32.77 | 1103.25 | 1103.25 |
| 98+26.98 | 99+35.31 | RT | 108.33 | 18.00 | 1949.94 | | | | 433.32 | | | 0.132 | | 7.86 | 264.81 | 264.81 |
| 99+35.31 | 104+21.78 | RT | 486.47 | 18.00 | 8756.46 | | | | 1945.88 | | | 0.595 | | 35.32 | 1189.15 | 1189.15 |
| 104+21.78 | 106+66.78 | RT | 245.00 | 24.00 | 5880.00 | | | | 980.00 | | | 0.381 | | 22.64 | 762.22 | 762.22 |
| 106+66.78 | 113+89.50 | RT | 722.72 | 30.00 | 21681.60 | | | | 2890.88 | | | 1.365 | | 81.09 | 2730.28 | 2730.28 |
| 113+89.50 | 116+66.09 | RT | 276.59 | 30.00 | 8297.70 | | | | 1106.36 | | | 0.522 | | 31.03 | 1044.90 | 1044.90 |
| 116+66.09 | 123+71.48 | RT | 705.39 | 30.00 | 21161.70 | | | | 2821.56 | | | 1.332 | | 79.14 | 2664.81 | 2664.81 |
| 123+71.48 | 125+08.48 | RT | 137.00 | 30.00 | 4110.00 | | | | 548.00 | | | 0.259 | | 15.37 | 517.56 | 517.56 |
| 125+08.48 | 135+85.36 | RT | 1076.88 | 30.00 | 32306.40 | | | | 4307.52 | | | 2.034 | | 120.83 | 4068.21 | 4068.21 |
| 135+85.36 | 137+26.59 | RT | 141.23 | 30.00 | 4236.90 | | | | 564.92 | | | 0.267 | | 15.85 | 533.54 | 533.54 |
| 137+26.59 | 138+81.24 | RT | 154.65 | 30.00 | 4639.50 | | | | 618.60 | | | 0.292 | | 17.35 | 584.23 | 584.23 |
| 138+81.24 | 140+36.24 | RT | 155.00 | 32.90 | 5099.50 | | | | 620.00 | | | 0.318 | | 18.87 | 635.50 | 635.50 |
| 141+65.29 | 143+20.29 | RT | 155.00 | 32.88 | 5096.40 | | | | 620.00 | | | 0.318 | | 18.86 | 635.16 | 635.16 |
| 143+20.29 | 154+12.26 | RT | 1091.97 | 30.00 | 32759.10 | | | | 4367.88 | | | 2.063 | | 122.52 | 4125.22 | 4125.22 |
| 154+12.26 | 154+90.00 | RT | 77.74 | 30.00 | 2332.20 | | | | 310.96 | | | 0.147 | | 8.72 | 293.68 | 293.68 |
| 154+90.00 | 155+51.02 | RT | 61.02 | 30.00 | 1830.60 | | | | 244.08 | | 230.52 | 0.115 | | | | |
| 155+51.02 | 158+90.00 | RT | 338.98 | 30.00 | 10169.40 | | | | 1355.92 | | 1280.59 | 0.640 | | | | |
| 158+90.00 | 167+87.09 | RT | 897.09 | 30.00 | 26912.70 | | | | 3588.36 | | | 1.695 | | 100.65 | 3389.01 | 3389.01 |
| 167+88.29 | 169+42.37 | RT | 154.08 | 30.00 | 4622.40 | | | | 616.32 | | | 0.291 | | 17.29 | 582.08 | 582.08 |
| 169+42.37 | 171+73.84 | RT | 231.47 | 30.00 | 6944.10 | | | | 925.88 | | | 0.437 | | 25.97 | 874.44 | 874.44 |
| 171+73.84 | 179+55.00 | RT | 781.16 | 42.00 | 32808.72 | | | | 3124.64 | | | 1.996 | | 118.58 | 3992.60 | 3992.60 |
| 179+55.00 | 180+45.00 | RT | 90.00 | 42.00 | 3780.00 | | | | 360.00 | | | 0.230 | | 13.66 | 460.00 | 460.00 |
| 180+45.00 | 190+76.70 | RT | 1031.70 | 42.00 | 43331.40 | | | | 4126.80 | | | 2.637 | | 156.61 | 5273.13 | 5273.13 |
| 190+76.70 | 191+58.21 | RT | 81.51 | 42.00 | 3423.42 | | | | 326.04 | | | 0.208 | | 12.37 | 416.61 | 416.61 |
| 191+58.21 | 192+91.18 | RT | 132.97 | 44.50 | 5917.17 | | | | 531.88 | | | 0.358 | | 21.28 | 716.56 | 716.56 |
| 192+91.18 | 193+71.54 | RT | 80.36 | 48.50 | 3897.46 | | | | 321.44 | | | 0.234 | | 13.92 | 468.77 | 468.77 |
| 193+71.54 | 197+16.94 | RT | 345.40 | 50.00 | 17270.00 | | | | 1381.60 | | | 1.036 | | 61.55 | 2072.40 | 2072.40 |
| 197+16.94 | 197+58.89 | RT | 60.72 | CADD | | 2598.1 | | 121.44 | | | | 0.151 | | 8.97 | 302.17 | 302.17 |
| **TOTALS CARRIED TO PAVEMENT SUBSUMMARY** | | | | | | | | | | | **1512** | **21.9** | | **1251** | **42107** | **42107** |

CALCULATED CJC

CHECKED MRG

# SUBGRADE CALCULATIONS

MED - 18 - 12.99

| STATION | | SIDE | LENGTH (L) | AVERAGE WIDTH (W) | SURFACE AREA (A=LxW) | CADD AREA | AREA FOR 18" EXTENSION | AREA FOR 24" EXTENSION | AREA FOR 48" EXTENSION | | 204 SUBGRADE COMPACTION | 204 PROOF ROLLING (1 HOUR/2000 SY) | | 206 CEMENT (0.75 X T X 110 X 0.06) LB/SY | 206 CURING COAT | 206 CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FROM | TO | | FT | FT | SF | SF | SF | SF | SF | | SY | HOUR | | TON | SY | SY |
| | | | | | | | | | | | 01/NHS/PV 02/NHS/PV | 01/NHS/PV 02/NHS/PV | | 01/NHS/PV 02/NHS/PV | 01/NHS/PV 02/NHS/PV | 01/NHS/PV 02/NHS/PV |
| **ALBER DR.** | | | | | | | | | | | | | | | | |
| **ASPHALT PAVEMENT** | | | | | | | | | | | | | | | | |
| 10+23.57 | 10+52.28 | LT | 44.55 | CADD | | 213.44 | | 89.10 | | | 33.62 | 0.017 | | | | |
| 10+23.57 | 10+52.28 | LT | 28.71 | 12.00 | 344.52 | | | | | | 38.28 | 0.019 | | | | |
| 10+52.28 | 10+58.58 | LT | 6.30 | 12.00 | 75.60 | | | 12.60 | | | 9.80 | 0.005 | | | | |
| 10+58.58 | 10+63.57 | LT | 4.99 | 12.00 | 59.88 | | | 9.98 | | | 7.76 | 0.004 | | | | |
| 10+63.57 | 10+68.57 | LT | 5.00 | 11.94 | 59.70 | | | 10.00 | | | 7.74 | 0.004 | | | | |
| 10+23.57 | 10+58.58 | RT | 49.05 | CADD | | 289.44 | | 98.10 | | | 43.06 | 0.022 | | | | |
| 10+23.57 | 10+58.58 | RT | 35.01 | 12.00 | 420.12 | | | | | | 46.68 | 0.023 | | | | |
| 10+58.58 | 10+63.57 | RT | 4.99 | 12.00 | 59.88 | | | 9.98 | | | 7.76 | 0.004 | | | | |
| 10+63.57 | 10+68.57 | RT | 5.00 | 11.80 | 59.00 | | | 10.00 | | | 7.67 | 0.004 | | | | |
| **WOODLAND DR.** | | | | | | | | | | | | | | | | |
| **ASPHALT PAVEMENT** | | | | | | | | | | | | | | | | |
| 10+23.75 | 10+57.36 | LT | 48.12 | CADD | | 271.78 | | 96.24 | | | | 0.020 | | 1.21 | 40.89 | 40.89 |
| 10+23.75 | 10+57.36 | LT | 33.61 | 12.00 | 403.32 | | | | | | | 0.022 | | 1.33 | 44.81 | 44.81 |
| 10+23.75 | 10+53.81 | RT | 45.58 | CADD | | 228.90 | | 91.16 | | | | 0.018 | | 1.06 | 35.56 | 35.56 |
| 10+23.75 | 10+53.81 | RT | 30.06 | 12.00 | 360.72 | | | | | | | 0.020 | | 1.19 | 40.08 | 40.08 |
| 10+53.81 | 10+57.36 | RT | 3.55 | 12.00 | 42.60 | | | 7.10 | | | | 0.003 | | 0.16 | 5.52 | 5.52 |
| **CONCRETE PAVEMENT** | | | | | | | | | | | | | | | | |
| 10+57.36 | 10+96.00 | LT | 38.64 | 12.00 | 463.68 | | | 77.28 | | | 60.11 | 0.030 | | | | |
| 10+96.00 | 11+00.00 | LT | 4.00 | 11.86 | 47.44 | | | 8.00 | | | 6.16 | 0.003 | | | | |
| 10+57.36 | 10+96.00 | RT | 38.64 | 12.00 | 463.68 | | | 77.28 | | | 60.11 | 0.030 | | | | |
| 10+96.00 | 11+00.00 | RT | 4.00 | 11.97 | 47.88 | | | 8.00 | | | 6.21 | 0.003 | | | | |
| **GLENSHIRE LN.** | | | | | | | | | | | | | | | | |
| **ASPHALT PAVEMENT** | | | | | | | | | | | | | | | | |
| 10+30.75 | 10+86.94 | LT | 81.90 | CADD | | 692.43 | | 163.80 | | | 95.14 | 0.048 | | | | |
| 10+30.75 | 10+86.94 | LT | 56.19 | 12.00 | 674.28 | | | | | | 74.92 | 0.037 | | | | |
| 10+86.94 | 10+96.00 | LT | 9.06 | 12.00 | 108.72 | | | 18.12 | | | 14.09 | 0.007 | | | | |
| 10+96.00 | 11+00.00 | LT | 4.00 | 11.81 | 47.24 | | | 8.00 | | | 6.14 | 0.003 | | | | |
| 10+30.75 | 10+79.29 | RT | 75.73 | CADD | | 592.82 | | 151.46 | | | 82.70 | 0.041 | | | | |
| 10+30.75 | 10+79.29 | RT | 48.54 | 12.00 | 582.48 | | | | | | 64.72 | 0.032 | | | | |
| 10+79.29 | 10+86.94 | RT | 7.65 | 12.00 | 91.80 | | | 15.30 | | | 11.90 | 0.006 | | | | |
| 10+86.94 | 10+96.00 | RT | 9.06 | 12.00 | 108.72 | | | 18.12 | | | 14.09 | 0.007 | | | | |
| 10+96.00 | 11+00.00 | RT | 4.00 | 12.03 | 48.12 | | | 8.00 | | | 6.24 | 0.003 | | | | |
| **FOOTE RD.** | | | | | | | | | | | | | | | | |
| **ASPHALT PAVEMENT** | | | | | | | | | | | | | | | | |
| 16+24.37 | 16+88.98 | LT | 118.92 | CADD | | 1417.03 | | | 475.68 | | | 0.105 | | 6.25 | 210.30 | 210.30 |
| 16+24.37 | 16+88.98 | LT | 64.61 | 24.00 | 1550.64 | | | | | | | 0.086 | | 5.12 | 172.29 | 172.29 |
| 16+24.37 | 16+88.98 | RT | 159.11 | CADD | | 1936.06 | | | 636.44 | | | 0.143 | | 8.49 | 285.83 | 285.83 |
| 16+24.37 | 16+88.98 | RT | 64.61 | 24.00 | 1550.64 | | | | | | | 0.086 | | 5.12 | 172.29 | 172.29 |
| 17+49.21 | 18+15.04 | LT | 160.11 | CADD | | 1943.04 | | | 640.44 | | | 0.144 | | 8.53 | 287.05 | 287.05 |
| 17+49.21 | 18+15.04 | LT | 65.83 | 24.00 | 1579.92 | | | | | | | 0.088 | | 5.21 | 175.55 | 175.55 |
| 17+61.26 | 18+15.04 | RT | 108.39 | CADD | | 1323.74 | | | 433.56 | | | 0.098 | | 5.80 | 195.26 | 195.26 |
| 17+61.26 | 18+15.04 | RT | 53.78 | 24.00 | 1290.72 | | | | | | | 0.072 | | 4.26 | 143.41 | 143.41 |
| **TOTALS CARRIED TO PAVEMENT SUBSUMMARY** | | | | | | | | | | | **705** | **1.3** | | **54** | **1809** | **1809** |

CALCULATED CJC

CHECKED MRG

# SUBGRADE CALCULATIONS

MED - 18 - 12.99

| STATION | | SIDE | LENGTH (L) | AVERAGE WIDTH (W) | SURFACE AREA (A=LxW) | CADD AREA | AREA FOR 18" EXTENSION | AREA FOR 24" EXTENSION | AREA FOR 48" EXTENSION | | 204 SUBGRADE COMPACTION | 204 PROOF ROLLING (1 HOUR/2000 SY) | | 206 CEMENT (0.75 X T X 110 X 0.06) LB/SY | 206 CURING COAT | 206 CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FROM | TO | | FT | FT | SF | SF | SF | SF | SF | | SY | HOUR | | TON | SY | SY |
| | | | | | | | | | | | 01/NHS/PV 02/NHS/PV | 01/NHS/PV 02/NHS/PV | | 01/NHS/PV 02/NHS/PV | 01/NHS/PV 02/NHS/PV | 01/NHS/PV 02/NHS/PV |
| **BURGUNDY BAY BLVD.** | | | | | | | | | | | | | | | | |
| **ASPHALT PAVEMENT** | | | | | | | | | | | | | | | | |
| 20+30.00 | 20+67.03 | LT | 55.00 | CADD | | 333.24 | | 110.00 | | | | 0.025 | | 1.46 | 49.25 | 49.25 |
| 20+30.00 | 20+67.03 | LT | 37.03 | 16.00 | 592.48 | | | | | | | 0.033 | | 1.96 | 65.83 | 65.83 |
| 20+30.00 | 20+67.03 | RT | 55.00 | CADD | | 332.54 | | 110.00 | | | | 0.025 | | 1.46 | 49.17 | 49.17 |
| 20+30.00 | 20+67.03 | RT | 37.03 | 16.00 | 592.48 | | | | | | | 0.033 | | 1.96 | 65.83 | 65.83 |
| **CONCRETE PAVEMENT** | | | | | | | | | | | | | | | | |
| 20+67.03 | 21+04.00 | LT | 36.97 | 16.00 | 591.52 | | | 73.94 | | | 73.94 | 0.037 | | | | |
| 20+67.03 | 20+70.61 | RT | 3.58 | 16.00 | 57.28 | | | 7.16 | | | 7.16 | 0.004 | | | | |
| 20+70.61 | 21+04.00 | RT | 25.16 | CADD | | 123.34 | | 50.32 | | | 19.30 | 0.010 | | | | |
| 20+70.61 | 21+04.00 | RT | 33.39 | 16.00 | 534.24 | | | | | | 59.36 | 0.030 | | | | |
| **RETREAT DR.** | | | | | | | | | | | | | | | | |
| **ASPHALT PAVEMENT** | | | | | | | | | | | | | | | | |
| 10+30.00 | 10+51.70 | LT | 31.12 | CADD | | 125.79 | | 62.24 | | | 20.89 | 0.010 | | | | |
| 10+30.00 | 10+51.70 | LT | 21.70 | 19.45 | 422.07 | | | | | | 46.90 | 0.023 | | | | |
| 10+30.00 | 10+51.70 | RT | 31.11 | CADD | | 125.93 | | 62.23 | | | 6.91 | 0.010 | | | | |
| 10+30.00 | 10+51.70 | RT | 21.70 | 19.41 | 421.20 | | | | | | 46.80 | 0.023 | | | | |
| **VICTOR DR.** | | | | | | | | | | | | | | | | |
| **ASPHALT PAVEMENT** | | | | | | | | | | | | | | | | |
| 10+30.10 | 10+77.25 | BOTH | 201.57 | CADD | | 3742.76 | | 403.14 | | | | 0.230 | | 13.68 | 460.66 | 460.66 |
| **CONCRETE PAVEMENT** | | | | | | | | | | | | | | | | |
| 10+77.25 | 11+12.93 | LT | 35.54 | CADD | | 50.43 | | 71.08 | | | 13.50 | 0.007 | | | | |
| 10+77.25 | 11+12.93 | LT | 35.68 | 14.00 | 499.52 | | | | | | 55.50 | 0.028 | | | | |
| 11+12.93 | 11+24.09 | LT | 11.16 | 14.00 | 156.24 | | | 22.32 | | | 19.84 | 0.010 | | | | |
| 11+24.09 | 11+37.09 | LT | 13.00 | 13.40 | 174.20 | | | 26.00 | | | 22.24 | 0.011 | | | | |
| 10+77.25 | 11+24.09 | RT | 46.99 | CADD | | 115.25 | | 93.98 | | | 23.25 | 0.012 | | | | |
| 10+77.25 | 11+24.09 | RT | 46.84 | 14.00 | 655.76 | | | | | | 72.86 | 0.036 | | | | |
| 11+24.09 | 11+37.09 | RT | 13.00 | 13.51 | 175.63 | | | 26.00 | | | 22.40 | 0.011 | | | | |
| **VILLAGE GATE DR.** | | | | | | | | | | | | | | | | |
| **ASPHALT PAVEMENT** | | | | | | | | | | | | | | | | |
| 10+30.00 | 10+82.67 | LT | 109.19 | CADD | | 2097.89 | | 158.62 | | | | 0.125 | | 7.45 | 250.72 | 250.72 |
| 10+30.00 | 10+82.67 | RT | 109.27 | CADD | | 2095.70 | | 158.78 | | | | 0.125 | | 7.44 | 250.50 | 250.50 |
| **CONCRETE PAVEMENT** | | | | | | | | | | | | | | | | |
| 10+82.67 | 10+90.72 | LT | 8.05 | 24.00 | 193.20 | | | 32.20 | | | 25.04 | 0.013 | | | | |
| 10+90.72 | 11+00.72 | LT | 10.00 | 23.78 | 237.80 | | | 40.00 | | | 30.87 | 0.015 | | | | |
| 10+82.67 | 10+90.72 | RT | 8.05 | 24.00 | 193.20 | | | 32.20 | | | 25.04 | 0.013 | | | | |
| 10+90.72 | 11+00.72 | RT | 10.00 | 23.51 | 235.10 | | | 40.00 | | | 30.57 | 0.015 | | | | |
| **TOTALS CARRIED TO PAVEMENT SUBSUMMARY** | | | | | | | | | | | **623** | **1.0** | | **36** | **1192** | **1192** |

CALCULATED CJC

CHECKED MRG

# SUBGRADE CALCULATIONS

**MED - 18 - 12.99**

| STATION | | SIDE | LENGTH (L) | AVERAGE WIDTH (W) | SURFACE AREA (A=LxW) | CADD AREA | AREA FOR 18" EXTENSION | AREA FOR 24" EXTENSION | AREA FOR 48" EXTENSION | | 204 SUBGRADE COMPACTION | 204 PROOF ROLLING (1 HOUR/2000 SY) | | 206 CEMENT (0.75 X T X 110 X 0.06) LB/SY | 206 CURING COAT | 206 CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FROM | TO | | FT | FT | SF | SF | SF | SF | SF | | SY | HOUR | | TON | SY | SY |
| | | | | | | | | | | | 01/NHS/PV 02/NHS/PV | 01/NHS/PV 02/NHS/PV | | 01/NHS/PV 02/NHS/PV | 01/NHS/PV 02/NHS/PV | 01/NHS/PV 02/NHS/PV |
| **SHADY BROOKE LN.** | | | | | | | | | | | | | | | | |
| **ASPHALT PAVEMENT** | | | | | | | | | | | | | | | | |
| 922+76.64 | 923+37.87 | LT | 136.65 | CADD | | 1256.26 | | | 546.60 | | | 0.100 | | 5.95 | 200.32 | 200.32 |
| 922+76.64 | 923+37.87 | LT | 61.23 | 14.50 | 887.83 | | | | | | | 0.049 | | 2.93 | 98.65 | 98.65 |
| 922+76.64 | 923+37.87 | RT | 104.07 | CADD | | 1376.59 | | | 416.28 | | | 0.100 | | 5.92 | 199.21 | 199.21 |
| 922+76.64 | 923+37.87 | RT | 61.23 | 14.50 | 887.83 | | | | | | | 0.049 | | 2.93 | 98.65 | 98.65 |
| **CONCRETE PAVEMENT** | | | | | | | | | | | | | | | | |
| 923+37.87 | 924+86.68 | LT | 148.81 | 14.50 | 2157.74 | | | | 595.24 | | 305.89 | 0.153 | | | | |
| 924+86.68 | 924+95.68 | LT | 9.00 | 14.24 | 128.16 | | | | 36.00 | | 18.24 | 0.009 | | | | |
| 923+37.87 | 923+98.72 | RT | 61.30 | CADD | | 156.29 | | | 245.20 | | 44.61 | 0.022 | | | | |
| 923+37.87 | 923+98.72 | RT | 60.85 | 14.50 | 882.33 | | | | | | 98.04 | 0.049 | | | | |
| 923+98.72 | 924+86.68 | RT | 87.96 | 14.50 | 1275.42 | | | | 351.84 | | 180.81 | 0.090 | | | | |
| 924+86.68 | 924+95.68 | RT | 9.00 | 14.06 | 126.54 | | | | 36.00 | | 18.06 | 0.009 | | | | |
| **FRONTAGE RD.** | | | | | | | | | | | | | | | | |
| **ASPHALT PAVEMENT** | | | | | | | | | | | | | | | | |
| 10+38.00 | 10+65.00 | LT | 39.27 | CADD | | 156.44 | | | 157.08 | | | 0.017 | | 1.03 | 34.84 | 34.84 |
| 10+38.00 | 10+65.00 | LT | 27.00 | 18.00 | 486.00 | | | | | | | 0.027 | | 1.60 | 54.00 | 54.00 |
| 10+38.00 | 10+65.00 | RT | 39.27 | CADD | | 156.44 | | | 157.08 | | | 0.017 | | 1.03 | 34.84 | 34.84 |
| 10+38.00 | 10+65.00 | RT | 27.00 | 18.00 | 486.00 | | | | | | | 0.027 | | 1.60 | 54.00 | 54.00 |
| 11+49.00 | 11+76.00 | LT | 39.27 | CADD | | 156.44 | | | 157.08 | | | 0.017 | | 1.03 | 34.84 | 34.84 |
| 11+49.00 | 11+76.00 | LT | 27.00 | 18.00 | 486.00 | | | | | | | 0.027 | | 1.60 | 54.00 | 54.00 |
| 11+49.00 | 11+76.00 | RT | 39.27 | CADD | | 156.44 | | | 157.08 | | | 0.017 | | 1.03 | 34.84 | 34.84 |
| 11+49.00 | 11+76.00 | RT | 27.00 | 18.00 | 486.00 | | | | | | | 0.027 | | 1.60 | 54.00 | 54.00 |
| **CONCRETE PAVEMENT** | | | | | | | | | | | | | | | | |
| 10+12.00 | 10+34.00 | LT | 31.42 | CADD | | 103.87 | | | 125.68 | | | 0.007 | | 0.76 | 25.51 | 25.51 |
| 10+12.00 | 10+34.00 | LT | 22.00 | 18.00 | 396.00 | | | | | | | 0.000 | | 1.31 | 44.00 | 44.00 |
| 10+34.00 | 10+38.00 | LT | 4.00 | 18.00 | 72.00 | | | | 16.00 | | | 0.005 | | 0.29 | 9.78 | 9.78 |
| 10+12.00 | 10+34.00 | RT | 31.42 | CADD | | 103.87 | | | 125.68 | | | 0.013 | | 0.76 | 25.51 | 25.51 |
| 10+12.00 | 10+34.00 | RT | 22.00 | 18.00 | 396.00 | | | | | | | 0.022 | | 1.31 | 44.00 | 44.00 |
| 10+34.00 | 10+38.00 | RT | 4.00 | 18.00 | 72.00 | | | | 16.00 | | | 0.005 | | 0.29 | 9.78 | 9.78 |
| 11+76.00 | 11+80.00 | LT | 4.00 | 18.00 | 72.00 | | | | 16.00 | | | 0.005 | | 0.29 | 9.78 | 9.78 |
| 11+80.00 | 12+02.00 | LT | 31.42 | CADD | | 103.87 | | | 125.68 | | | 0.013 | | 0.76 | 25.51 | 25.51 |
| 11+80.00 | 12+02.00 | LT | 22.00 | 18.00 | 396.00 | | | | | | | 0.022 | | 1.31 | 44.00 | 44.00 |
| 11+76.00 | 11+80.00 | RT | 4.00 | 18.00 | 72.00 | | | | 16.00 | | | 0.005 | | 0.29 | 9.78 | 9.78 |
| 11+80.00 | 12+02.00 | RT | 31.42 | CADD | | 103.87 | | | 125.68 | | | 0.013 | | 0.76 | 25.51 | 25.51 |
| 11+80.00 | 12+02.00 | RT | 22.00 | 18.00 | 396.00 | | | | | | | 0.022 | | 1.31 | 44.00 | 44.00 |
| **N. FRONTAGE RD.** | | | | | | | | | | | | | | | | |
| **CONCRETE PAVEMENT** | | | | | | | | | | | | | | | | |
| 40+66.96 | | BOTH | 28.00 | | | | | | | | | | | | | |
| 40+66.96 | 40+80.63 | LT | 13.67 | 12.00 | 164.04 | | | 27.34 | 54.68 | | | 0.012 | | 0.72 | 24.30 | 24.30 |
| 40+80.63 | 41+68.63 | LT | 122.24 | CADD | | 1543.50 | | 244.48 | 488.96 | | | 0.113 | | 6.71 | 225.83 | 225.83 |
| 40+80.63 | 41+68.63 | LT | 88.00 | 12.00 | 1056.00 | | | | | | | 0.059 | | 3.48 | 117.33 | 117.33 |
| 41+68.63 | 43+78.42 | LT | 209.79 | 12.00 | 2517.48 | | | 419.58 | 839.16 | | | 0.186 | | 11.08 | 372.96 | 372.96 |
| **TOTALS CARRIED TO PAVEMENT SUBSUMMARY** | | | | | | | | | | | **666** | **1.4** | | **60** | **2010** | **2010** |

CALCULATED CJC

CHECKED MRG

# SUBGRADE CALCULATIONS

MED - 18 - 12.99

| STATION | | SIDE | LENGTH (L) | AVERAGE WIDTH (W) | SURFACE AREA (A=LxW) | CADD AREA | AREA FOR 18" EXTENSION | AREA FOR 24" EXTENSION | AREA FOR 48" EXTENSION | | 204 | 204 | | | 206 | 206 | 206 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | SUBGRADE COMPACTION | PROOF ROLLING (1 HOUR/2000 SY) | | | CEMENT (0.75 X T X 110 X 0.06) LB/SY | CURING COAT | CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP | | | | | | | | |
| FROM | TO | | FT | FT | SF | SF | SF | SF | SF | | SY | HOUR | | | TON | SY | SY | | | | | | | | |
| | | | | | | | | | | | 03/ENH/PV 04/ENH/PV | 01/NHS/PV 02/NHS/PV | 03/ENH/PV 04/ENH/PV | | 01/NHS/PV 02/NHS/PV | 01/NHS/PV 02/NHS/PV | 01/NHS/PV 02/NHS/PV | | | | | | | | |
| **N. FRONTAGE RD. (CONT.)** | | | | | | | | | | | | | | | | | | | | | | | | | |
| **CONCRETE PAVEMENT** | | | | | | | | | | | | | | | | | | | | | | | | | |
| 40+66.96 | 42+60.00 | RT | 193.04 | 12.00 | 2316.48 | | | | 772.16 | | | 0.172 | | | 10.19 | 343.18 | 343.18 | | | | | | | | |
| 42+60.00 | 43+40.00 | RT | 80.00 | 12.00 | 960.00 | | | | 320.00 | | | 0.071 | | | 4.22 | 142.22 | 142.22 | | | | | | | | |
| 43+40.00 | 43+78.42 | RT | 38.42 | 12.00 | 461.04 | | | | 153.68 | | | 0.034 | | | 2.03 | 68.30 | 68.30 | | | | | | | | |
| 43+78.42 | 44+92.00 | CIRCLE | 406.19 | CADD | | 10244.97 | | | 1624.76 | | | 0.659 | | | 39.17 | 1318.86 | 1318.86 | | | | | | | | |
| **S. FRONTAGE RD.** | | | | | | | | | | | | | | | | | | | | | | | | | |
| **CONCRETE PAVEMENT** | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20+92.69 | 21+02.69 | LT | 10.00 | 13.00 | 130.00 | | | 20.00 | | | | 0.008 | | | 0.50 | 16.67 | 16.67 | | | | | | | | |
| 21+02.69 | 21+14.63 | LT | 11.94 | 14.00 | 167.16 | | | 23.88 | | | | 0.011 | | | 0.63 | 21.23 | 21.23 | | | | | | | | |
| 21+14.63 | 25+60.00 | LT | 445.37 | 12.00 | 5344.44 | | | | 1781.48 | | | 0.396 | | | 23.52 | 791.77 | 791.77 | | | | | | | | |
| 25+60.00 | 26+40.00 | LT | 80.00 | 12.00 | 960.00 | | | | 320.00 | | | 0.071 | | | 4.22 | 142.22 | 142.22 | | | | | | | | |
| 26+40.00 | 31+42.65 | LT | 502.65 | 12.00 | 6031.80 | | | | 2010.60 | | | 0.447 | | | 26.54 | 893.60 | 893.60 | | | | | | | | |
| 20+92.69 | 21+14.63 | RT | 31.64 | CADD | | 125.17 | | 63.28 | | | | 0.007 | | | 0.62 | 20.94 | 20.94 | | | | | | | | |
| 20+92.69 | 21+14.63 | RT | 21.94 | 14.00 | 307.16 | | | | | | | 0.017 | | | 1.01 | 34.13 | 34.13 | | | | | | | | |
| 21+14.63 | 21+24.06 | RT | 9.43 | 12.00 | 113.16 | | | | 37.72 | | | 0.008 | | | 0.50 | 16.76 | 16.76 | | | | | | | | |
| 21+24.06 | 22+12.06 | RT | 122.24 | CADD | | 1543.50 | | | 488.96 | | | 0.113 | | | 6.71 | 225.83 | 225.83 | | | | | | | | |
| 21+24.06 | 22+12.06 | RT | 88.00 | 12.00 | 1056.00 | | | | | | | 0.059 | | | 3.48 | 117.33 | 117.33 | | | | | | | | |
| 22+12.06 | 30+40.65 | RT | 828.59 | 12.00 | 9943.08 | | | | 3314.36 | | | 0.737 | | | 43.75 | 1473.05 | 1473.05 | | | | | | | | |
| 30+40.65 | 31+28.65 | RT | 122.24 | CADD | | 1543.50 | | | 488.96 | | | 0.113 | | | 6.71 | 225.83 | 225.83 | | | | | | | | |
| 30+40.65 | 31+28.65 | RT | 88.00 | 12.00 | 1056.00 | | | | | | | 0.059 | | | 3.48 | 117.33 | 117.33 | | | | | | | | |
| 31+28.65 | 31+42.65 | RT | 14.00 | 12.00 | 168.00 | | | | 56.00 | | | 0.012 | | | 0.74 | 24.89 | 24.89 | | | | | | | | |
| **FOOTE RD. (CONT.)** | | | | | | | | | | | | | | | | | | | | | | | | | |
| **CONCRETE PAVEMENT** | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10+37.00 | 10+40.00 | LT | 3.00 | 11.89 | 35.67 | | | | 12.00 | | 5.30 | | 0.003 | | | | | | | | | | | | |
| 10+40.00 | 13+60.00 | LT | 320.00 | 18.00 | 5760.00 | | | | 1280.00 | | 782.22 | | 0.391 | | | | | | | | | | | | |
| 13+60.00 | 15+60.16 | LT | 200.16 | 24.00 | 4803.84 | | | | 800.64 | | 622.72 | | 0.311 | | | | | | | | | | | | |
| 15+60.16 | 16+24.37 | LT | 63.84 | CADD | | 147.35 | | | 255.36 | | 44.75 | | 0.022 | | | | | | | | | | | | |
| 15+60.16 | 16+24.37 | LT | 64.21 | 24.00 | 1541.04 | | | | | | 171.23 | | 0.086 | | | | | | | | | | | | |
| 10+37.00 | 10+40.00 | RT | 3.00 | 11.96 | 35.88 | | | | 12.00 | | 5.32 | | 0.003 | | | | | | | | | | | | |
| 10+40.00 | 13+60.00 | RT | 320.00 | 18.00 | 5760.00 | | | | 1280.00 | | 782.22 | | 0.391 | | | | | | | | | | | | |
| 13+60.00 | 15+91.49 | RT | 231.49 | 24.00 | 5555.76 | | | | 925.96 | | 720.19 | | 0.360 | | | | | | | | | | | | |
| 15+91.49 | 16+24.37 | RT | 32.37 | CADD | | 30.15 | | | 129.48 | | 17.74 | | 0.009 | | | | | | | | | | | | |
| 15+91.49 | 16+24.37 | RT | 32.88 | 24.00 | 789.12 | | | | | | 87.68 | | 0.044 | | | | | | | | | | | | |
| 18+15.04 | 18+50.54 | LT | 34.37 | CADD | | 29.90 | | | 137.48 | | 18.60 | | 0.009 | | | | | | | | | | | | |
| 18+15.04 | 18+50.54 | LT | 35.50 | 24.00 | 852.00 | | | | | | 94.67 | | 0.047 | | | | | | | | | | | | |
| 18+50.54 | 21+75.00 | LT | 324.46 | 24.00 | 7787.04 | | | | 1297.84 | | 1009.43 | | 0.505 | | | | | | | | | | | | |
| 21+75.00 | 22+20.00 | LT | 45.00 | 10.45 | 470.25 | | | | 180.00 | | 72.25 | | 0.036 | | | | | | | | | | | | |
| 22+20.00 | 25+17.61 | LT | 297.61 | 6.39 | 1901.73 | | | | 1190.44 | | 343.57 | | 0.172 | | | | | | | | | | | | |
| 25+17.61 | 25+53.00 | LT | 35.39 | 2.00 | 70.78 | | | | 141.56 | | 23.59 | | 0.012 | | | | | | | | | | | | |
| 18+15.04 | 18+79.77 | RT | 65.75 | CADD | | 192.62 | | | 263.00 | | 50.62 | | 0.025 | | | | | | | | | | | | |
| 18+15.04 | 18+79.77 | RT | 64.73 | 24.00 | 1553.52 | | | | | | 172.61 | | 0.086 | | | | | | | | | | | | |
| 18+79.77 | 21+75.00 | RT | 295.23 | 24.00 | 7085.52 | | | | 1180.92 | | 918.49 | | 0.459 | | | | | | | | | | | | |
| 21+75.00 | 22+20.00 | RT | 45.00 | 7.69 | 346.05 | | | | 180.00 | | 58.45 | | 0.029 | | | | | | | | | | | | |
| 22+20.00 | 25+12.44 | RT | 292.44 | 5.21 | 1523.61 | | | | 1169.76 | | 299.26 | | 0.150 | | | | | | | | | | | | |
| 25+12.44 | 25+53.00 | RT | 40.56 | 2.00 | 81.12 | | | | 162.24 | | 27.04 | | 0.014 | | | | | | | | | | | | |
| **TOTALS CARRIED TO PAVEMENT SUBSUMMARY** | | | | | | | | | | | **6328** | **3.0** | **3.2** | | **179** | **5995** | **5995** | | | | | | | | |

CALCULATED CJC

CHECKED MRG

# SUBGRADE CALCULATIONS

MED - 18 - 12.99

| STATION | | SIDE | LENGTH (L) | AVERAGE WIDTH (W) | SURFACE AREA (A=LxW) | CADD AREA | AREA FOR 18" EXTENSION | AREA FOR 24" EXTENSION | AREA FOR 48" EXTENSION | | 204 SUBGRADE COMPACTION | 204 PROOF ROLLING (1 HOUR/2000 SY) | | 206 CEMENT (0.75 X T X 110 X 0.06) LB/SY | 206 CURING COAT | 206 CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FROM | TO | | FT | FT | SF | SF | SF | SF | SF | | SY | HOUR | | TON | SY | SY |
| | | | | | | | | | | | 01/NHS/PV 02/NHS/PV | 01/NHS/PV 02/NHS/PV | | 01/NHS/PV 02/NHS/PV | 01/NHS/PV 02/NHS/PV | 01/NHS/PV 02/NHS/PV |
| **W. HOSPITAL DR.** | | | | | | | | | | | | | | | | |
| **ASPHALT PAVEMENT** | | | | | | | | | | | | | | | | |
| 9+23.91 | 9+50.66 | LT | 52.10 | CADD | | 847.73 | | 104.20 | | | 105.77 | 0.053 | | | | |
| 9+50.66 | 9+75.71 | LT | 87.39 | CADD | | 852.64 | | 174.78 | | | 114.16 | 0.057 | | | | |
| 9+23.91 | 9+50.66 | RT | 61.72 | CADD | | 1182.75 | | 123.44 | | | 145.13 | 0.073 | | | | |
| 9+50.66 | 9+87.72 | RT | 84.53 | CADD | | 698.95 | | 169.06 | | | 96.45 | 0.048 | | | | |
| **E. HOSPITAL DR.** | | | | | | | | | | | | | | | | |
| **ASPHALT PAVEMENT** | | | | | | | | | | | | | | | | |
| 10+53.67 | 10+56.36 | LT | 2.69 | 14.00 | 37.66 | | | 5.38 | | | | 0.002 | | 0.14 | 4.78 | 4.78 |
| 10+56.36 | 10+98.42 | LT | 63.05 | CADD | | 426.31 | | 126.10 | | | | 0.031 | | 1.82 | 61.38 | 61.38 |
| 10+56.36 | 10+98.42 | LT | 42.06 | 14.00 | 588.84 | | | | | | | 0.033 | | 1.94 | 65.43 | 65.43 |
| 10+53.67 | 10+56.42 | RT | 2.75 | 14.00 | 38.50 | | | 5.50 | | | | 0.002 | | 0.15 | 4.89 | 4.89 |
| 10+56.42 | 10+98.42 | RT | 62.83 | CADD | | 423.70 | | 125.66 | | | | 0.031 | | 1.81 | 61.04 | 61.04 |
| 10+56.42 | 10+98.42 | RT | 42.00 | 14.00 | 588.00 | | | | | | | 0.033 | | 1.94 | 65.33 | 65.33 |
| **WATERFORD DR.** | | | | | | | | | | | | | | | | |
| **ASPHALT PAVEMENT** | | | | | | | | | | | | | | | | |
| 10+93.94 | 10+97.94 | LT | 4.00 | 21.82 | 87.28 | | | | 16.00 | | 11.48 | 0.006 | | | | |
| 10+97.94 | 11+02.24 | LT | 4.30 | 22.00 | 94.60 | | | | 17.20 | | 12.42 | 0.006 | | | | |
| 11+02.24 | 11+54.25 | LT | 78.55 | CADD | | 580.50 | | | 314.20 | | 99.41 | 0.050 | | | | |
| 11+02.24 | 11+54.25 | LT | 52.01 | 22.00 | 1144.22 | | | | | | 127.14 | 0.064 | | | | |
| 10+93.94 | 10+97.94 | RT | 4.00 | 11.17 | 44.68 | | | | 16.00 | | 6.74 | 0.003 | | | | |
| 10+97.94 | 11+02.24 | RT | 4.30 | 11.00 | 47.30 | | | | 17.20 | | 7.17 | 0.004 | | | | |
| 11+02.24 | 11+54.25 | RT | 78.53 | CADD | | 580.06 | | | 314.12 | | 99.35 | 0.050 | | | | |
| 11+02.24 | 11+54.25 | RT | 52.01 | 11.00 | 572.11 | | | | | | 63.57 | 0.032 | | | | |
| **SUMMA HEALTH CARE DR.** | | | | | | | | | | | | | | | | |
| **ASPHALT PAVEMENT** | | | | | | | | | | | | | | | | |
| 10+25.00 | 10+65.41 | LT | 40.41 | 17.00 | 686.97 | | | 80.82 | | | 85.31 | 0.043 | | | | |
| 10+65.41 | 10+96.66 | LT | 31.25 | 17.00 | 531.25 | | | 62.50 | | | 65.97 | 0.033 | | | | |
| 10+96.66 | 11+39.61 | LT | 72.28 | CADD | | 552.93 | | 144.56 | | | 77.50 | 0.039 | | | | |
| 10+96.66 | 11+39.61 | LT | 42.95 | 17.00 | 730.15 | | | | | | 81.13 | 0.041 | | | | |
| 10+25.00 | 10+26.00 | RT | 1.00 | 16.97 | 16.97 | | | 2.00 | | | 2.11 | 0.001 | | | | |
| 10+26.00 | 10+65.41 | RT | 39.41 | 17.00 | 669.97 | | | 78.82 | | | 83.20 | 0.042 | | | | |
| 10+65.41 | 11+39.61 | RT | 95.24 | CADD | | 938.29 | | 190.48 | | | 125.42 | 0.063 | | | | |
| 10+65.41 | 11+39.61 | RT | 74.20 | 17.00 | 1261.40 | | | | | | 140.16 | 0.070 | | | | |
| **TOTALS CARRIED TO PAVEMENT SUBSUMMARY** | | | | | | | | | | | **1550** | **1.0** | | **8** | **263** | **263** |

CALCULATED CJC

CHECKED MRG

# SUBGRADE CALCULATIONS

MED - 18 - 12.99

| STATION | | SIDE | LENGTH (L) | AVERAGE WIDTH (W) | SURFACE AREA (A=LxW) | CADD AREA | AREA FOR 18" EXTENSION | AREA FOR 24" EXTENSION | AREA FOR 48" EXTENSION | | 204 | | 204 | | | 206 | 206 | 206 | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | SUBGRADE COMPACTION | | PROOF ROLLING (1 HOUR/2000 SY) | | | CEMENT (0.75 X T X 110 X 0.06) LB/SY | CURING COAT | CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP | | | | | | | |
| FROM | TO | | FT | FT | SF | SF | SF | SF | SF | | SY | | HOUR | | | TON | SY | SY | | | | | | | |
| | | | | | | | | | | | 01/NHS/PV 02/NHS/PV | 03/ENH/PV 04/ENH/PV | 01/NHS/PV 02/NHS/PV | 03/ENH/PV 04/ENH/PV | | 01/NHS/PV 02/NHS/PV | 01/NHS/PV 02/NHS/PV | 01/NHS/PV 02/NHS/PV | | | | | | | |
| **BUEHLER DR.** | | | | | | | | | | | | | | | | | | | | | | | | | |
| **ASPHALT PAVEMENT** | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8+05.00 | 8+51.53 | LT | 35.32 | CADD | | 312.35 | | | 141.28 | | 50.40 | | 0.025 | | | | | | | | | | | | |
| 8+05.00 | 8+51.53 | LT | 46.53 | 25.00 | 1163.25 | | | | | | 129.25 | | 0.065 | | | | | | | | | | | | |
| 8+51.53 | 9+28.38 | LT | 76.85 | 25.00 | 1921.25 | | | | 307.40 | | 247.63 | | 0.124 | | | | | | | | | | | | |
| 9+28.38 | 9+70.00 | LT | 62.32 | CADD | | 369.54 | | | 249.28 | | 68.76 | | 0.034 | | | | | | | | | | | | |
| 9+28.47 | 9+70.00 | LT | 41.53 | 25.00 | 1038.25 | | | | | | 115.36 | | 0.058 | | | | | | | | | | | | |
| 8+05.00 | 8+25.00 | RT | 20.00 | 32.31 | 646.20 | | | | 80.00 | | 80.69 | | 0.040 | | | | | | | | | | | | |
| 8+25.00 | 9+28.38 | RT | 103.38 | 31.50 | 3256.47 | | | | 413.52 | | 407.78 | | 0.204 | | | | | | | | | | | | |
| 9+28.38 | 9+70.00 | RT | 62.37 | CADD | | 370.62 | | | 249.48 | | 68.90 | | 0.034 | | | | | | | | | | | | |
| 9+28.38 | 9+70.00 | RT | 41.62 | 31.50 | 1311.03 | | | | | | 145.67 | | 0.073 | | | | | | | | | | | | |
| **RIVER STYX DR.** | | | | | | | | | | | | | | | | | | | | | | | | | |
| **ASPHALT PAVEMENT** | | | | | | | | | | | | | | | | | | | | | | | | | |
| 921+45.53 | 922+04.12 | LT | 86.96 | CADD | | 1669.09 | | | 347.84 | | | | 0.112 | | | 6.66 | 224.10 | 224.10 | | | | | | | |
| 921+45.53 | 922+04.12 | LT | 58.59 | 24.00 | 1406.16 | | | | | | | | 0.078 | | | 4.64 | 156.24 | 156.24 | | | | | | | |
| 921+45.53 | 922+04.12 | RT | 119.14 | CADD | | 2457.06 | | | 476.56 | | | | 0.163 | | | 9.68 | 325.96 | 325.96 | | | | | | | |
| 921+45.53 | 922+04.12 | RT | 58.59 | 24.00 | 1406.16 | | | | | | | | 0.078 | | | 4.64 | 156.24 | 156.24 | | | | | | | |
| **CONCRETE PAVEMENT** | | | | | | | | | | | | | | | | | | | | | | | | | |
| 903+62.31 | 904+02.11 | LT | 57.25 | CADD | | 579.71 | | | 229.00 | | | 89.86 | | 0.045 | | | | | | | | | | | |
| 904+01.16 | 904+19.83 | LT | 18.67 | 8.00 | 149.36 | | | | 74.68 | | | 24.89 | | 0.012 | | | | | | | | | | | |
| 904+19.83 | 905+61.72 | LT | 141.89 | 6.00 | 851.34 | | | | 567.56 | | | 157.66 | | 0.079 | | | | | | | | | | | |
| 905+61.72 | 907+14.77 | LT | 155.39 | CADD | | 1395.36 | | | 621.56 | | | 224.10 | | 0.112 | | | | | | | | | | | |
| 907+14.77 | 910+92.00 | LT | 377.23 | 12.00 | 4526.76 | | | | 1508.92 | | | 670.63 | | 0.335 | | | | | | | | | | | |
| 910+92.00 | 911+57.00 | LT | 65.00 | 24.00 | 1560.00 | | | | 260.00 | | | 202.22 | | 0.101 | | | | | | | | | | | |
| 911+57.00 | 912+46.67 | LT | 89.67 | 12.00 | 1076.04 | | | | 358.68 | | | 159.41 | | 0.080 | | | | | | | | | | | |
| 912+46.67 | 917+50.00 | LT | 503.33 | 12.00 | 6039.96 | | | | 2013.32 | | | 894.81 | | 0.447 | | | | | | | | | | | |
| 917+50.00 | 920+11.77 | LT | 261.77 | 24.00 | 6282.48 | | | | 1047.08 | | | 814.40 | | 0.407 | | | | | | | | | | | |
| 920+11.77 | 921+45.53 | LT | 131.14 | CADD | | 674.35 | | | 524.56 | | | 133.21 | | 0.067 | | | | | | | | | | | |
| 920+11.77 | 921+45.53 | LT | 133.76 | 24.00 | 3210.24 | | | | 535.04 | | | 416.14 | | 0.208 | | | | | | | | | | | |
| 903+48.75 | 903+92.73 | RT | 68.01 | CADD | | 611.18 | | | 272.04 | | | 98.14 | | 0.049 | | | | | | | | | | | |
| 903+92.73 | 904+19.83 | RT | 27.10 | 8.00 | 216.80 | | | | 108.40 | | | 36.13 | | 0.018 | | | | | | | | | | | |
| 904+19.83 | 905+18.84 | RT | 99.01 | 6.00 | 594.06 | | | | 396.04 | | | 110.01 | | 0.055 | | | | | | | | | | | |
| 905+18.84 | 905+61.72 | RT | 42.88 | 8.00 | 343.04 | | | | 171.52 | | | 57.17 | | 0.029 | | | | | | | | | | | |
| 905+61.72 | 907+14.77 | RT | 153.05 | CADD | | 756.92 | | | 612.20 | | | 152.12 | | 0.076 | | | | | | | | | | | |
| 907+14.77 | 907+55.00 | RT | 40.23 | 2.00 | 80.46 | | | | 160.92 | | | 26.82 | | 0.013 | | | | | | | | | | | |
| 907+55.00 | 910+00.00 | RT | 245.00 | 8.00 | 1960.00 | | | | 980.00 | | | 326.67 | | 0.163 | | | | | | | | | | | |
| 910+00.00 | 910+92.00 | RT | 92.00 | 12.00 | 1104.00 | | | | 368.00 | | | 163.56 | | 0.082 | | | | | | | | | | | |
| 910+92.00 | 911+19.01 | RT | 27.01 | 24.00 | 648.24 | | | | 108.04 | | | 84.03 | | 0.042 | | | | | | | | | | | |
| 911+19.01 | 911+57.00 | RT | 37.99 | 25.00 | 949.75 | | | | 151.96 | | | 122.41 | | 0.061 | | | | | | | | | | | |
| 911+57.00 | 911+94.68 | RT | 37.68 | 15.00 | 565.20 | | | | 150.72 | | | 79.55 | | 0.040 | | | | | | | | | | | |
| 911+94.68 | 913+11.67 | RT | 116.99 | 16.00 | 1871.84 | | | | 467.96 | | | 259.98 | | 0.130 | | | | | | | | | | | |
| 913+11.67 | 913+87.34 | RT | 75.67 | 14.00 | 1059.38 | | | | 302.68 | | | 151.34 | | 0.076 | | | | | | | | | | | |
| 913+87.34 | 917+50.00 | RT | 362.66 | 12.00 | 4351.92 | | | | 1450.64 | | | 644.73 | | 0.322 | | | | | | | | | | | |
| 917+50.00 | 921+03.54 | RT | 353.54 | 24.00 | 8484.96 | | | | 1414.16 | | | 1099.90 | | 0.550 | | | | | | | | | | | |
| 921+03.54 | 921+45.53 | RT | 42.25 | CADD | | 80.66 | | | 169.00 | | | 27.74 | | 0.014 | | | | | | | | | | | |
| 921+03.54 | 921+45.53 | RT | 41.99 | 24.00 | 1007.76 | | | | | | | 111.97 | | 0.056 | | | | | | | | | | | |
| **TOTALS CARRIED TO PAVEMENT SUBSUMMARY** | | | | | | | | | | | **1315** | **7340** | **1.1** | **3.7** | | **26** | **863** | **863** | | | | | | | |

CALCULATED CJC

CHECKED MRG

**SUBGRADE CALCULATIONS**

| STATION | | SIDE | LENGTH (L) | AVERAGE WIDTH (W) | SURFACE AREA (A=LxW) | CADD AREA | AREA FOR 18" EXTENSION | AREA FOR 24" EXTENSION | AREA FOR 48" EXTENSION | | 204 SUBGRADE COMPACTION | | 204 PROOF ROLLING (1 HOUR/2000 SY) | | | 206 CEMENT (0.75 X T X 110 X 0.06) LB/SY | 206 CURING COAT | 206 CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FROM | TO | | FT | FT | SF | SF | SF | SF | SF | | SY | | HOUR | | | TON | SY | SY | | | | | | | |
| | | | | | | | | | | | 01/NHS/PV 02/NHS/PV | 03/ENH/PV 04/ENH/PV | 01/NHS/PV 02/NHS/PV | 03/ENH/PV 04/ENH/PV | | 01/NHS/PV 02/NHS/PV | 01/NHS/PV 02/NHS/PV | 01/NHS/PV 02/NHS/PV | | | | | | | |
| **OCTAGON DR.** | | | | | | | | | | | | | | | | | | | | | | | | | |
| **ASPHALT PAVEMENT** | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11+71.00 | 11+72.00 | LT | 1.00 | 11.02 | 11.02 | | | | 4.00 | | | 1.670 | | 0.001 | | | | | | | | | | | |
| 11+72.00 | 11+79.63 | LT | 7.63 | 11.00 | 83.93 | | | | 30.52 | | | 12.720 | | 0.006 | | | | | | | | | | | |
| 11+79.63 | 12+25.97 | LT | 71.69 | CADD | | 433.77 | | | 286.76 | | | 80.060 | | 0.040 | | | | | | | | | | | |
| 11+79.63 | 12+25.97 | LT | 46.34 | 11.00 | 509.74 | | | | | | | 56.640 | | 0.028 | | | | | | | | | | | |
| 11+71.00 | 11+72.00 | RT | 1.00 | 21.97 | 21.97 | | | | 4.00 | | | 2.890 | | 0.001 | | | | | | | | | | | |
| 11+72.00 | 12+25.97 | RT | 79.78 | CADD | | 598.66 | | | 319.12 | | | 101.980 | | 0.051 | | | | | | | | | | | |
| 11+72.00 | 12+25.97 | RT | 53.97 | 22.00 | 1187.34 | | | | | | | 131.930 | | 0.066 | | | | | | | | | | | |
| **RUSTIC HILLS DR.** | | | | | | | | | | | | | | | | | | | | | | | | | |
| **ASPHALT PAVEMENT** | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14+95.00 | 15+10.00 | LT | 15.00 | 11.86 | 177.90 | | | 30.00 | | | 23.100 | | 0.012 | | | | | | | | | | | | |
| 14+95.00 | 15+10.00 | LT/SHLDR | 15.00 | 1.00 | 15.00 | | 22.50 | | | | 4.170 | | 0.002 | | | | | | | | | | | | |
| 15+10.00 | 15+50.68 | LT | 40.96 | CADD | | 527.20 | | 81.36 | 163.84 | | 85.820 | | 0.043 | | | | | | | | | | | | |
| 15+50.68 | 15+62.47 | LT | 12.19 | CADD | | 254.00 | | | 48.76 | | 33.640 | | 0.017 | | | | | | | | | | | | |
| 15+62.47 | 16+06.24 | LT | 98.63 | CADD | | 1837.77 | | | 394.52 | | 248.030 | | 0.124 | | | | | | | | | | | | |
| 14+95.00 | 15+10.00 | RT | 15.00 | 12.09 | 181.35 | | | 30.00 | | | 23.480 | | 0.012 | | | | | | | | | | | | |
| 14+95.00 | 15+10.00 | RT/SHLDR | 15.00 | 1.00 | 15.00 | | 22.50 | | | | 4.170 | | 0.002 | | | | | | | | | | | | |
| 15+10.00 | 15+50.68 | RT | 41.08 | CADD | | 545.71 | | 81.36 | 164.32 | | 87.930 | | 0.044 | | | | | | | | | | | | |
| 15+50.68 | 15+62.47 | RT | 12.30 | CADD | | 268.89 | | | 49.20 | | 35.340 | | 0.018 | | | | | | | | | | | | |
| 15+62.47 | 16+06.24 | RT | 96.53 | CADD | | 1889.89 | | | 386.12 | | 252.890 | | 0.126 | | | | | | | | | | | | |
| **TOTALS CARRIED TO PAVEMENT SUBSUMMARY** | | | | | | | | | | | **799** | **388** | **0.4** | **0.2** | | | | | | | | | | | |

CALCULATED CJC

CHECKED MRG

# SUBGRADE CALCULATIONS

MED - 18 - 12.99