

| STATION | AREAS | | VOLUMES | | CUMULATIVE VOLUMES | |
|-----------|---------------|-------|--------------|--------|--------------------|--------|
| | Square Meters | | Cubic Meters | | Cubic Meters | |
| | CUT | FILL | CUT | FILL | CUT | FILL |
| 0+272 | 8.203 | 0.018 | | | | |
| 0+279.607 | 7.525 | 0.017 | 59.825 | 0.133 | 59.825 | 0.133 |
| 0+280 | 7.776 | 0.019 | 3.007 | 0.007 | 62.832 | 0.140 |
| 0+282 | 7.292 | 0.003 | 15.068 | 0.022 | 77.899 | 0.162 |
| 0+290 | 6.993 | 0.372 | 57.140 | 1.498 | 135.039 | 1.660 |
| 0+300 | 6.995 | 0.058 | 69.940 | 2.148 | 204.979 | 3.809 |
| 0+310 | 7.210 | 0.174 | 71.027 | 1.161 | 276.006 | 4.969 |
| 0+320 | 6.366 | 0.082 | 67.883 | 1.280 | 343.888 | 6.250 |
| 0+330 | 8.357 | 0.000 | 73.618 | 0.410 | 417.506 | 6.660 |
| 0+340 | 7.166 | 0.350 | 77.616 | 1.752 | 495.123 | 8.412 |
| 0+350 | 8.409 | 0.004 | 77.875 | 1.772 | 572.997 | 10.184 |
| 0+360 | 7.412 | 0.133 | 79.105 | 0.683 | 652.102 | 10.867 |
| 0+370 | 7.940 | 0.055 | 76.761 | 0.938 | 728.863 | 11.805 |
| 0+380 | 8.152 | 0.031 | 80.463 | 0.429 | 809.326 | 12.234 |
| 0+381.890 | 7.661 | 0.098 | 14.944 | 0.121 | 824.270 | 12.356 |
| 0+392.209 | 11.507 | 0.000 | 98.902 | 0.504 | 923.171 | 12.859 |
| 0+406.285 | 8.199 | 0.011 | 138.695 | 0.080 | 1061.866 | 12.939 |
| 0+416.545 | 8.219 | 0.015 | 84.226 | 0.137 | 1146.092 | 13.076 |
| 0+420 | 7.337 | 0.107 | 26.874 | 0.212 | 1172.966 | 13.289 |
| 0+430 | 7.610 | 0.455 | 74.736 | 2.814 | 1247.702 | 16.102 |
| 0+440 | 8.206 | 0.002 | 79.078 | 2.284 | 1326.780 | 18.386 |
| 0+450 | 8.329 | 0.000 | 82.675 | 0.008 | 1409.455 | 18.394 |
| 0+460 | 8.415 | 0.000 | 83.722 | 0.000 | 1493.177 | 18.394 |
| 0+470 | 8.402 | 0.017 | 84.086 | 0.086 | 1577.263 | 18.480 |
| 0+480 | 8.456 | 0.000 | 84.289 | 0.086 | 1661.552 | 18.566 |
| 0+490 | 9.141 | 0.056 | 87.984 | 0.279 | 1749.536 | 18.845 |
| 0+500 | 10.166 | 0.014 | 96.536 | 0.351 | 1846.072 | 19.195 |
| 0+510 | 9.808 | 0.173 | 99.872 | 0.938 | 1945.944 | 20.133 |
| 0+520 | 7.954 | 0.052 | 88.812 | 1.126 | 2034.756 | 21.259 |
| 0+530 | 8.495 | 0.001 | 82.247 | 0.264 | 2117.002 | 21.523 |
| 0+540 | 8.221 | 0.802 | 83.579 | 4.012 | 2200.582 | 25.535 |
| 0+550 | 7.922 | 0.998 | 80.712 | 8.997 | 2281.294 | 34.532 |
| 0+560 | 7.890 | 0.349 | 79.057 | 6.736 | 2360.351 | 41.268 |
| 0+570 | 9.979 | 0.000 | 89.345 | 1.747 | 2449.696 | 43.015 |
| 0+580 | 9.561 | 0.215 | 97.701 | 1.074 | 2547.398 | 44.089 |
| 0+581.567 | 9.553 | 0.370 | 14.976 | 0.458 | 2562.374 | 44.547 |
| 0+594.278 | 12.662 | 0.000 | 141.188 | 2.350 | 2703.562 | 46.897 |
| 0+606.145 | 8.790 | 0.023 | 127.281 | 0.137 | 2830.843 | 47.034 |
| 0+618.809 | 8.562 | 0.015 | 109.868 | 0.241 | 2940.711 | 47.276 |
| 0+620 | 8.565 | 0.007 | 10.199 | 0.013 | 2950.910 | 47.289 |
| 0+630 | 9.289 | 0.002 | 89.270 | 0.046 | 3040.180 | 47.334 |
| 0+640 | 9.796 | 0.007 | 95.423 | 0.045 | 3135.603 | 47.380 |
| 0+650 | 10.236 | 0.115 | 100.158 | 0.610 | 3235.761 | 47.989 |
| 0+660 | 11.282 | 0.000 | 107.589 | 0.575 | 3343.351 | 48.565 |
| 0+661.990 | 11.185 | 0.001 | 22.355 | 0.001 | 3365.705 | 48.565 |
| 0+670 | 11.273 | 0.000 | 89.946 | 0.003 | 3455.652 | 48.568 |
| 0+680 | 10.367 | 0.001 | 108.202 | 0.008 | 3563.854 | 48.576 |
| 0+682.551 | 10.382 | 0.008 | 26.465 | 0.012 | 3590.319 | 48.588 |
| 0+694.623 | 11.274 | 0.000 | 130.717 | 0.048 | 3721.036 | 48.637 |
| 0+705.157 | 9.562 | 0.010 | 109.745 | 0.054 | 3830.781 | 48.690 |
| 0+710 | 9.190 | 0.018 | 45.408 | 0.069 | 3876.189 | 48.759 |
| 0+720 | 9.093 | 0.000 | 91.415 | 0.091 | 3967.604 | 48.851 |
| 0+730 | 8.480 | 0.000 | 87.864 | 0.000 | 4055.468 | 48.851 |
| 0+740 | 8.102 | 0.000 | 82.909 | 0.000 | 4138.377 | 48.851 |
| 0+750 | 6.679 | 0.000 | 73.905 | 0.000 | 4212.282 | 48.851 |
| 0+760 | 5.686 | 0.001 | 61.826 | 0.003 | 4274.108 | 48.854 |
| 0+770 | 5.340 | 0.005 | 55.132 | 0.030 | 4329.240 | 48.883 |
| 0+778.362 | 4.670 | 0.089 | 41.854 | 0.396 | 4371.094 | 49.280 |
| 0+811.114 | 3.536 | 0.799 | 134.392 | 14.554 | 4505.487 | 63.833 |
| 0+820 | 5.759 | 0.151 | 41.300 | 4.220 | 4546.787 | 68.054 |
| 0+830 | 7.657 | 0.005 | 67.081 | 0.781 | 4613.868 | 68.834 |
| | | | 84.222 | 0.027 | 4698.090 | 68.862 |

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|-----------|---------------|-------|--------------|-------|--------------------|---------|
| | Square Meters | | Cubic Meters | | Cubic Meters | |
| | CUT | FILL | CUT | FILL | CUT | FILL |
| 0+840 | 9.187 | 0.000 | | | | |
| 0+850 | 8.349 | 0.001 | 87.680 | 0.007 | 4785.770 | 68.869 |
| 0+860 | 9.001 | 0.034 | 86.748 | 0.175 | 4872.518 | 69.044 |
| 0+870 | 9.017 | 0.016 | 90.092 | 0.250 | 4962.610 | 69.294 |
| 0+880 | 9.116 | 0.002 | 90.665 | 0.094 | 5053.275 | 69.388 |
| 0+890 | 8.815 | 0.008 | 89.652 | 0.053 | 5142.928 | 69.441 |
| 0+890.084 | 8.818 | 0.006 | 0.741 | 0.001 | 5143.668 | 69.442 |
| 0+902.207 | 10.786 | 0.043 | 118.834 | 0.295 | 5262.502 | 69.737 |
| 0+914.440 | 8.994 | 0.001 | 120.988 | 0.267 | 5383.489 | 70.003 |
| 0+920 | 8.915 | 0.001 | 49.788 | 0.004 | 5433.278 | 70.008 |
| 0+930 | 8.487 | 0.009 | 87.011 | 0.046 | 5520.289 | 70.054 |
| 0+940 | 8.500 | 0.042 | 84.933 | 0.254 | 5605.222 | 70.308 |
| 0+950 | 8.511 | 0.005 | 85.054 | 0.235 | 5690.276 | 70.543 |
| 0+960 | 8.563 | 0.003 | 85.372 | 0.040 | 5775.648 | 70.582 |
| 0+970 | 8.810 | 0.014 | 86.867 | 0.086 | 5862.515 | 70.669 |
| 0+980 | 8.814 | 0.000 | 88.123 | 0.072 | 5950.637 | 70.741 |
| 0+990 | 9.194 | 0.000 | 90.041 | 0.002 | 6040.679 | 70.743 |
| 0+998.865 | 9.316 | 0.000 | 82.046 | 0.000 | 6122.725 | 70.743 |
| 1+020.372 | 8.696 | 0.047 | 193.695 | 0.507 | 6316.420 | 71.249 |
| 1+030 | 8.474 | 0.000 | 82.659 | 0.227 | 6399.079 | 71.476 |
| 1+040 | 7.384 | 0.000 | 79.294 | 0.000 | 6478.373 | 71.476 |
| 1+050 | 7.443 | 0.017 | 74.137 | 0.085 | 6552.511 | 71.561 |
| 1+060 | 6.701 | 0.078 | 70.719 | 0.477 | 6623.230 | 72.038 |
| 1+070 | 6.447 | 0.000 | 65.739 | 0.394 | 6688.968 | 72.432 |
| 1+080 | 7.361 | 0.001 | 69.041 | 0.008 | 6758.009 | 72.440 |
| 1+090 | 7.349 | 0.000 | 73.549 | 0.006 | 6831.558 | 72.446 |
| 1+100 | 5.807 | 0.066 | 65.777 | 0.328 | 6897.334 | 72.774 |
| 1+110 | 5.657 | 0.002 | 57.321 | 0.336 | 6954.656 | 73.110 |
| 1+120 | 5.641 | 0.006 | 56.495 | 0.040 | 7011.150 | 73.150 |
| 1+130 | 5.387 | 0.054 | 55.142 | 0.301 | 7066.292 | 73.451 |
| 1+140 | 5.561 | 0.014 | 54.742 | 0.340 | 7121.034 | 73.791 |
| 1+150 | 5.147 | 0.114 | 53.542 | 0.642 | 7174.575 | 74.432 |
| 1+160 | 5.074 | 0.026 | 51.105 | 0.702 | 7225.681 | 75.134 |
| 1+170 | 4.652 | 0.058 | 48.632 | 0.421 | 7274.313 | 75.556 |
| 1+180 | 4.515 | 0.019 | 45.837 | 0.388 | 7320.150 | 75.943 |
| 1+190 | 4.412 | 0.065 | 44.634 | 0.421 | 7364.784 | 76.364 |
| 1+204.325 | 3.970 | 0.112 | 60.035 | 1.267 | 7424.819 | 77.632 |
| 1+225.924 | 5.951 | 0.050 | 107.148 | 1.747 | 7531.967 | 79.378 |
| 1+230 | 5.883 | 0.225 | 24.119 | 0.559 | 7556.086 | 79.937 |
| 1+233.360 | 6.455 | 0.074 | 20.728 | 0.502 | 7576.814 | 80.440 |
| 1+240 | 4.757 | 0.021 | 37.225 | 0.315 | 7614.039 | 80.755 |
| 1+250 | 5.649 | 0.185 | 52.034 | 1.026 | 7666.073 | 81.781 |
| 1+260 | 5.508 | 0.130 | 55.787 | 1.573 | 7721.859 | 83.355 |
| 1+270 | 6.442 | 0.187 | 59.749 | 1.587 | 7781.609 | 84.942 |
| 1+280 | 6.391 | 0.183 | 64.165 | 1.854 | 7845.774 | 86.796 |
| 1+285.992 | 6.864 | 0.092 | 39.713 | 0.827 | 7885.487 | 87.622 |
| 1+298.189 | 9.748 | 0.000 | 101.312 | 0.563 | 7986.799 | 88.186 |
| 1+310.387 | 8.370 | 0.000 | 110.505 | 0.000 | 8097.304 | 88.186 |
| 1+320 | 9.332 | 0.000 | 85.085 | 0.000 | 8182.388 | 88.186 |
| 1+330 | 8.985 | 0.000 | 91.582 | 0.002 | 8273.970 | 88.188 |
| 1+340 | 8.620 | 0.000 | 88.022 | 0.002 | 8361.992 | 88.189 |
| 1+350 | 6.235 | 0.019 | 74.273 | 0.094 | 8436.265 | 88.284 |
| 1+360 | 4.264 | 0.499 | 52.493 | 2.592 | 8488.758 | 90.875 |
| 1+370 | 4.310 | 0.214 | 42.870 | 3.566 | 8531.628 | 94.441 |
| 1+380 | 4.277 | 0.303 | 42.937 | 2.583 | 8574.565 | 97.024 |
| 1+390 | 5.031 | 0.145 | 46.540 | 2.240 | 8621.106 | 99.264 |
| 1+400 | 5.570 | 0.021 | 53.006 | 0.828 | 8674.111 | 100.092 |
| 1+410 | 6.499 | 0.113 | 60.345 | 0.667 | 8734.457 | 100.758 |
| 1+415.971 | 7.209 | 0.025 | 40.925 | 0.412 | 8775.382 | 101.170 |
| | | | 0.000 | 0.000 | 8775.382 | 101.170 |

Quantities in these Tables have been figured by the Average End Area Method. The Quantities have not been adjusted by any factors.

Earth Work Listed in these Table Reflect Existing Surfaces (Including Pavement). Actual Quantities for Bid Summary Shall be Reduced by Removal of Pavement (Assumed Pavement Thickness of 200mm).

Note: Earthwork quantities for the improvements to Douglas Avenue have been calculated from the geometric properties of the section and not from actual earthwork cross sections. Earthwork cross sections for this portion of the project were not generated. Please refer to the Typical Section for additional information.

