East Site Station 130+0 to 139+00

| | Cut | | | | | | Fill | | | | | | Mass |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Station | Area (SF) | Volume (CF) | Volume (CY) | AC Removal (CY) | Adjusted (CY) | Undercut (CY) | Factor | Area (SF) | Volume (CF) | Volume (CY) | Adjusted (CY) | Undercut (CY) | Ordinate |
| 13000 | 43.35 | 0 | 0 | 0 | 0 | 0 | 1.35 | 12.584 | 0 | 0 | 0 | 0 | 0 |
| 13100 | 32.01 | 3768 | 140 | 48 | 92 | 538 | 1.35 | 37.855 | 2521.998 | 93 | 125.55 | 726 | -222 |
| 13103.9 | 50.88 | 162 | 6 | 2 | 3 | 509 | 1.35 | 0 | 73.81725 | 3 | 4.05 | 687 | -401 |
| 13200 | 32.377 | 4000 | 148 | 46 | 103 | 75 | 1.35 | 56.963 | 5474.1443 | 203 | 274.05 | 101 | -598 |
| 13214.2 | 1.784 | 243 | 9 | 7 | 17 | 0 | 1.35 | 155.53 | 2612.9633 | 97 | 130.95 | 0 | -712 |
| 13300 | - | - | - | 103 | 0 | 0 | 1.35 | 276.1 | 30361.617 | 1125 | 1518.75 | 0 | -2231 |
| 13301.87 | - | - | - | - | - | - | - | - | - | - | - | | - |
| 13400 | 0 | 89.22 | 3 | 24 | 0 | 0 | 1.35 | 48.74 | 18679 | 692 | 934.2 | 0 | -3165 |
| 13440.73 | - | - | - | - | - | - | - | - | - | - | - | | - |
| 13500 | 5.623 | 281.173 | 10 | 24 | 0 | 288 | 1.35 | 32.68 | 36766.427 | 1362 | 1838.7 | 389 | -5105 |
| 13600 | 24.64 | 1513.174 | 56 | 48 | 19 | 575 | 1.35 | 32.682 | 4071.016 | 151 | 203.85 | 776 | -5491 |
| 13660 | 92.782 | 904.636 | 34 | 29 | 100 | 360 | 1.35 | 20.155 | 222.914 | 8 | 10.8 | 486 | -5528 |
| 13700 | 98.183 | 3819.298 | 141 | 19 | 122 | 256 | 1.35 | 7.936 | 561.824 | 21 | 28.35 | 346 | -5524 |
| 13800 | 94.087 | 9613.514 | 356 | 48 | 308 | 638 | 1.35 | 6.389 | 716.276 | 27 | 36.45 | 861 | -5475 |
| 13900 | 56.53 | 7530.86 | 279 | 48 | 220 | 624 | 1.35 | 3.512 | 495.046 | 18 | 24.3 | 842 | -5498 |
| **Total** | | | | | **984** | **3863** | | | | **3800** | **5130** | **5215** | |

End Area Volume Report

Report Created: Friday, December 13, 2024
Time: 11:26:30 AM

West Site Station 20+20 to 27+00

Cross Section S Mainline-1
Alignment Nam Mainline
Input Grid Factor:

| | Inches | Feet |
|---|---|---|
| Avg Asphalt Thic | 5.3 | 0.44 |
| Road Width | | 28 |

| | | Cut | | | | | | Fill | | | | | | Mass |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Station | Area (SF) | Volume (CF) | Volume (CY) | AC Removal (CY) | Adjusted (CY) | Undercut (CY) | Factor | Area (SF) | Volume (CF) | Volume (CY) | Adjusted (CY) | Undercut Refill (CY) | Ordinate (CY) |
| | 2020 | 50.357 | 0 | 0 | 0 | 0 | 0 | 1.35 | 121.374 | 0 | 0 | 0 | 0 | 0 |
| | 2100 | 78.411 | 5150.72 | 191 | 37 | 154 | 487.1 | 1.35 | 117.668 | 9561.683 | 354 | 477.9 | 657.585 | -494.385 |
| | 2200 | 47.157 | 6278.4 | 233 | 46 | 187 | 609.1 | 1.35 | 32.833 | 7525.083 | 279 | 376.65 | 822.285 | -897.22 |
| | 2300 | 110.886 | 7902.15 | 293 | 46 | 247 | 648.3 | 1.35 | 0 | 1641.669 | 61 | 82.35 | 875.205 | -959.475 |
| Bridge Start | 2386.36 | - | - | - | 39 | - | 0 | - | - | - | - | - | - | - |
| | 2400 | 0 | 5544.3 | 205 | 0 | 244 | 350.2 | 1.35 | 723.699 | 36184.944 | 1340 | 1809 | 472.77 | -2647.045 |
| Bridge End | 2455.96 | - | - | - | 0 | - | 0 | - | - | - | - | - | - | - |
| | 2500 | 150.473 | 7523.65 | 279 | 20 | 259 | 351.9 | 1.35 | 0 | 36184.944 | 1340 | 1809 | 475.065 | -4320.21 |
| | 2600 | 216.758 | 18361.55 | 680 | 46 | 634 | 694.8 | 1.35 | 1.772 | 88.591 | 3 | 4.05 | 937.98 | -3933.44 |
| | 2700 | 49.412 | 13308.5 | 493 | 46 | 447 | 620.4 | 1.35 | 36.996 | 1938.379 | 72 | 97.2 | 837.54 | -3800.78 |
| | **Totals** | | | | | **2172** | **3761.8** | | | | **3449** | **4656.15** | | |

End Area Volume Report

Diversion A

| | ---------- Cut ---------- | | | | ---------- Fill ---------- | | | Mass (CY) |
|---|---|---|---|---|---|---|---|---|
| **Station** | **Area (SF)** | **Volume (CF)** | **Volume (CY)** | **Factor** | **Area (SF)** | **Volume (CY)** | **Adjusted (CY)** | **Ordinate (CY)** |
| 20160 | 0.527 | 0 | 0 | 1.35 | 18.261 | 0 | 0 | 0 |
| 20176.596 | 0.942 | 12.2 | 0.5 | 1.35 | 24.748 | 13 | 18 | -17.4 |
| 20200 | 1.885 | 33.1 | 1.2 | 1.35 | 37.087 | 27 | 36 | -52.3 |
| 20250 | 0 | 47.1 | 1.7 | 1.35 | 73.858 | 103 | 139 | -189.3 |
| 20300 | 0.688 | 17.2 | 0.6 | 1.35 | 71.867 | 135 | 182 | -370.8 |
| 20350 | 2.53 | 80.5 | 3.0 | 1.35 | 49.14 | 112 | 151 | -519.1 |
| 20400 | 4.08 | 165.3 | 6.1 | 1.35 | 43.76 | 86 | 116 | -629.1 |
| 20450 | 13.9 | 449.5 | 16.6 | 1.35 | 18.82 | 58 | 78 | -690.7 |
| 20500 | 29.364 | 1081.6 | 40.1 | 1.35 | 0 | 17 | 24 | -674.1 |
| 20550 | 60.232 | 2239.9 | 83.0 | 1.35 | 0 | 0 | 0 | -591.2 |
| 20600 | 53.718 | 2848.8 | 105.5 | 1.35 | 0 | 0 | 0 | -485.7 |
| 20646.349 | 23.919 | 1799.2 | 66.6 | 1.35 | 6.285 | 5 | 7 | -426.3 |
| 20650 | 23.708 | 86.9 | 3.2 | 1.35 | 6.509 | 1 | 1 | -424.3 |
| 20700 | 10.684 | 859.8 | 31.8 | 1.35 | 24.102 | 28 | 38 | -430.7 |
| 20750 | 0.002 | 267.2 | 9.9 | 1.35 | 295.648 | 296 | 400 | -820.5 |
| 20800 | 12.677 | 317.0 | 11.7 | 1.35 | 25.505 | 297 | 401 | -1210.2 |
| 20850 | 143.78 | 3911.4 | 144.9 | 1.35 | 0.025 | 24 | 32 | -1097.2 |
| 20876.232 | 127.86 | 3562.8 | 132.0 | 1.35 | 0.007 | 0 | 0 | -965.3 |
| 20900 | 105.52 | 2773.5 | 102.7 | 1.35 | 0 | 0 | 0 | -862.6 |
| 20950 | 64.92 | 4261.0 | 157.8 | 1.35 | 0 | 0 | 0 | -704.7 |
| 21000 | 34.75 | 2491.8 | 92.3 | 1.35 | 6.2 | 6 | 8 | -620.2 |
| 21050 | 17.29 | 1301.0 | 48.2 | 1.35 | 11.93 | 17 | 23 | -594.7 |
| 21100 | 2.13 | 485.5 | 18.0 | 1.35 | 50.337 | 58 | 78 | -654.5 |
| 21109.106 | 1.885 | 18.3 | 0.7 | 1.35 | 58.74 | 18 | 25 | -678.7 |
| 21150 | 0.788 | 54.7 | 2.0 | 1.35 | 96.481 | 118 | 159 | -835.4 |
| 21200 | 0.019 | 20.2 | 0.7 | 1.35 | 82.08 | 165 | 223 | -1057.8 |
| 21215.054 | 0.189 | 1.6 | 0.1 | 1.35 | 66.426 | 41 | 56 | -1113.6 |
| **Total** | | | **1081** | | | **1626** | **2195** | |