

GRADING REPORT

SHEET 1 OUT OF 9

COMPUTED BY: HAK LIM  
 CHECKED BY: TECK TANG  
 FEDERAL PROJECT NO: NH-1(424)  
 ROUTE NO.: S.R. 1 (U.S. 70) SUMMER AVENUE

STATE NO.: 79011-1245-04  
 PIN:101609.01  
 COUNTY: SHELBY

| ESTIMATED GRADING QUANTITIES              |     |                |                         |              |                       |                  |    |        |         |             |
|-------------------------------------------|-----|----------------|-------------------------|--------------|-----------------------|------------------|----|--------|---------|-------------|
| DESCRIPTION                               |     |                | UNADJUSTED VOLUMES (CY) |              | ADJUSTED VOLUMES (CY) | BALANCE SUMMARY  |    |        |         |             |
|                                           |     |                | EXC.                    | EMB.         | EXC.                  | SHRINK =         | 30 | %      | SWELL = | <div></div> |
| MAINLINE PHASE 3                          |     |                | 22861                   | 14995        | 16003                 | EXC.   EMB.      |    |        |         |             |
| MAINLINE PHASE 2                          |     |                | 20046                   | 16552        | 14033                 |                  |    |        |         |             |
| MAINLINE PHASE 1                          |     |                | 3279                    | 120          | 2296                  |                  |    |        |         |             |
| UNDERCUTTING                              |     |                | 6500                    | 0            | 4550                  |                  |    |        |         |             |
| SIDE ROADS                                |     |                | 3854                    | 832          | 2698                  |                  |    |        |         |             |
| PVT. DRIVES, BUSINESS AND FIELD ENTRANCES |     |                | 1501                    | 1937         | 1051                  | 40730            | VS | -34436 |         |             |
| TEMPORARY CONSTRUCTION EXITS              |     |                | 144                     | 0            | 101                   | AVAILABLE = 6294 |    |        |         |             |
| TOPSOIL (EMB.)                            |     |                | 2179                    |              |                       |                  |    |        |         |             |
| TOPSOIL (EXC.)                            |     |                | 2707                    |              |                       |                  |    |        |         |             |
| TOPSOIL TOTALS (SEE TOPSOIL TABLE)        |     |                |                         |              |                       | WASTE MATERIAL   | =  | 8183   |         |             |
| ROCK (C.Y.)                               |     | TOTALS (C.Y.)  |                         |              |                       |                  |    |        |         |             |
| EXC                                       | EMB | **EXC. (UNCL.) | EMB. (UNCL.)            | EXC (COMMON) | EXC. (AVAIL.)         | EXC. (ADJ.)      |    |        |         |             |
| .                                         | .   | 63071          | 34436                   | 63071        | 58185                 | 40730            |    |        |         |             |

\*NOTE:- UNDERCUTTING TO BE USED AS DIRECTED BY THE ENGINEER.

\*\*NOTE:- EXCAVATION INCLUDES 22,178 CY OF PAVEMENT REMOVAL.

| STA.                         | STA.  | END AREA      |                | STRIPPING    |               | RAW VOLUMES        |                | STRIPPING VOLUMES |                | IN-PLACE VOLUMES  |                | CUM. VOLUMES            |                |
|------------------------------|-------|---------------|----------------|--------------|---------------|--------------------|----------------|-------------------|----------------|-------------------|----------------|-------------------------|----------------|
|                              |       | CUT<br>(S.F.) | FILL<br>(S.F.) | CUT<br>(FT.) | FILL<br>(FT.) | (Before Stripping) |                | CUT<br>(C.Y.)     | FILL<br>(C.Y.) | (After Stripping) |                | (Shrinkage NOT applied) |                |
|                              |       |               |                |              |               | CUT<br>(C.Y.)      | FILL<br>(C.Y.) | CUT<br>(C.Y.)     | FILL<br>(C.Y.) | CUT<br>(C.Y.)     | FILL<br>(C.Y.) | CUT<br>(C.Y.)           | FILL<br>(C.Y.) |
| <b>SR-1 MAINLINE PHASE 1</b> |       |               |                |              |               |                    |                |                   |                |                   |                |                         |                |
| 6100                         | 61+00 | 10            | 0              | 9            | 0             |                    |                |                   |                |                   |                |                         |                |
| 6150                         | 61+50 | 13            | 0              | 13           | 0             | 21                 | 0              | 10                | 0              | 21                | 0              | 21                      | 0              |
| 6200                         | 62+00 | 15            | 0              | 15           | 0             | 26                 | 0              | 13                | 0              | 26                | 0              | 47                      | 0              |
| 6250                         | 62+50 | 26            | 0              | 21           | 0             | 38                 | 0              | 17                | 0              | 38                | 0              | 85                      | 0              |
| 6300                         | 63+00 | 40            | 0              | 27           | 0             | 61                 | 0              | 22                | 0              | 61                | 0              | 146                     | 0              |
| 6350                         | 63+50 | 37            | 0              | 26           | 0             | 71                 | 0              | 25                | 0              | 71                | 0              | 218                     | 0              |
| 6400                         | 64+00 | 49            | 0              | 29           | 0             | 80                 | 0              | 25                | 0              | 80                | 0              | 297                     | 0              |
| 6450                         | 64+50 | 50            | 0              | 30           | 0             | 92                 | 0              | 27                | 0              | 92                | 0              | 389                     | 0              |
| 6500                         | 65+00 | 47            | 0              | 29           | 0             | 90                 | 0              | 27                | 0              | 90                | 0              | 479                     | 0              |
| 6550                         | 65+50 | 37            | 0              | 27           | 0             | 78                 | 0              | 26                | 0              | 78                | 0              | 556                     | 0              |
| 6600                         | 66+00 | 20            | 0              | 15           | 0             | 53                 | 0              | 19                | 0              | 53                | 0              | 609                     | 0              |
| 8200                         | 82+00 | 39            | 0              | 28           | 0             |                    |                |                   |                |                   |                |                         |                |
| 8250                         | 82+50 | 48            | 0              | 33           | 0             | 81                 | 0              | 28                | 0              | 81                | 0              | 690                     | 0              |
| 8300                         | 83+00 | 57            | 0              | 34           | 0             | 97                 | 0              | 31                | 0              | 97                | 0              | 787                     | 0              |
| 8350                         | 83+50 | 59            | 0              | 35           | 0             | 107                | 0              | 32                | 0              | 107               | 0              | 894                     | 0              |
| 8400                         | 84+00 | 65            | 0              | 36           | 0             | 115                | 0              | 33                | 0              | 115               | 0              | 1009                    | 0              |
| 8450                         | 84+50 | 72            | 0              | 37           | 0             | 127                | 0              | 34                | 0              | 127               | 0              | 1136                    | 0              |
| 8500                         | 85+00 | 77            | 0              | 39           | 0             | 138                | 0              | 35                | 0              | 138               | 0              | 1274                    | 0              |
| 8550                         | 85+50 | 76            | 0              | 38           | 0             | 141                | 0              | 36                | 0              | 141               | 0              | 1415                    | 0              |
| 8600                         | 86+00 | 65            | 0              | 37           | 0             | 130                | 0              | 35                | 0              | 130               | 0              | 1545                    | 0              |
| 8650                         | 86+50 | 56            | 0              | 35           | 0             | 111                | 0              | 33                | 0              | 111               | 0              | 1657                    | 0              |
| 8700                         | 87+00 | 52            | 0              | 35           | 0             | 100                | 0              | 32                | 0              | 100               | 0              | 1757                    | 0              |
| 8750                         | 87+50 | 38            | 0              | 38           | 0             | 84                 | 0              | 34                | 0              | 84                | 0              | 1841                    | 0              |
| 8800                         | 88+00 | 30            | 12             | 27           | 12            | 63                 | 11             | 30                | 6              | 63                | 17             | 1904                    | 17             |
| 8850                         | 88+50 | 34            | 9              | 28           | 11            | 59                 | 19             | 25                | 11             | 59                | 30             | 1963                    | 47             |
| 8900                         | 89+00 | 49            | 0              | 36           | 0             | 77                 | 8              | 30                | 5              | 77                | 13             | 2040                    | 60             |
| 8950                         | 89+50 | 50            | 0              | 29           | 0             | 92                 | 0              | 30                | 0              | 92                | 0              | 2132                    | 60             |
| 9000                         | 90+00 | 37            | 0              | 26           | 0             | 81                 | 0              | 25                | 0              | 81                | 0              | 2213                    | 60             |
| 9050                         | 90+50 | 33            | 0              | 25           | 0             | 65                 | 0              | 24                | 0              | 65                | 0              | 2277                    | 60             |
| 9100                         | 91+00 | 38            | 0              | 26           | 0             | 65                 | 0              | 24                | 0              | 65                | 0              | 2343                    | 60             |
| 9150                         | 91+50 | 38            | 0              | 26           | 0             | 70                 | 0              | 24                | 0              | 70                | 0              | 2413                    | 60             |
| 9200                         | 92+00 | 36            | 0              | 26           | 0             | 69                 | 0              | 24                | 0              | 69                | 0              | 2481                    | 60             |
| 9250                         | 92+50 | 38            | 0              | 26           | 0             | 68                 | 0              | 24                | 0              | 68                | 0              | 2550                    | 60             |
| 9300                         | 93+00 | 36            | 0              | 26           | 0             | 68                 | 0              | 24                | 0              | 68                | 0              | 2618                    | 60             |
| 9350                         | 93+50 | 39            | 0              | 35           | 0             | 69                 | 0              | 28                | 0              | 69                | 0              | 2687                    | 60             |
| 9400                         | 94+00 | 48            | 0              | 34           | 0             | 80                 | 0              | 32                | 0              | 80                | 0              | 2767                    | 60             |
| 9450                         | 94+50 | 50            | 0              | 35           | 0             | 91                 | 0              | 32                | 0              | 91                | 0              | 2858                    | 60             |
| 9500                         | 95+00 | 25            | 0              | 32           | 0             | 69                 | 0              | 31                | 0              | 69                | 0              | 2927                    | 60             |
| 9550                         | 95+50 | 39            | 0              | 32           | 0             | 59                 | 0              | 30                | 0              | 59                | 0              | 2985                    | 60             |
| 9600                         | 96+00 | 39            | 0              | 33           | 0             | 72                 | 0              | 30                | 0              | 72                | 0              | 3058                    | 60             |
| 9650                         | 96+50 | 38            | 0              | 32           | 0             | 72                 | 0              | 30                | 0              | 72                | 0              | 3130                    | 60             |
| 9700                         | 97+00 | 30            | 0              | 27           | 0             | 63                 | 0              | 27                | 0              | 63                | 0              | 3193                    | 60             |
| 9750                         | 97+50 | 19            | 0              | 19           | 0             | 45                 | 0              | 21                | 0              | 45                | 0              | 3238                    | 60             |
| 9800                         | 98+00 | 10            | 0              | 12           | 0             | 26                 | 0              | 14                | 0              | 26                | 0              | 3264                    | 60             |
| 9850                         | 98+50 | 3             | 2              | 5            | 7             | 12                 | 2              | 8                 | 3              | 12                | 5              | 3275                    | 65             |
| 9900                         | 99+00 | 1             | 84             | 2            | 33            | 4                  | 80             | 3                 | 19             | 4                 | 98             | 3279                    | 163            |

|      |     |      |    |      |     |
|------|-----|------|----|------|-----|
| 3279 | 120 | 1146 | 43 | 3279 | 163 |
|------|-----|------|----|------|-----|

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CHECKED BY: TECK TANG  
FEDERAL PROJECT NO: NH01(424)  
ROUTE NO.: S.R.1 (U.S. 70) SUMMER AVENUE

SHEET 3 OUT OF 9  
STATE NO.: 79011-1245-04  
PIN: 101609.01  
COUNTY: SHELBY

| STA.                      | STA.     | END           | AREA           | STRIPPING    |               | COLD<br>PLAN<br>CUT | RAW                | VOLUMES        | STRIPPING     | VOLUMES        | IN-PLACE      | VOLUMES           | CUM. VOLUMES  |                |
|---------------------------|----------|---------------|----------------|--------------|---------------|---------------------|--------------------|----------------|---------------|----------------|---------------|-------------------|---------------|----------------|
|                           |          | CUT<br>(S.F.) | FILL<br>(S.F.) | CUT<br>(FT.) | FILL<br>(FT.) |                     | (Before Stripping) |                |               |                |               | (After Stripping) |               |                |
|                           |          |               |                |              |               |                     | CUT<br>(C.Y.)      | FILL<br>(C.Y.) | CUT<br>(C.Y.) | FILL<br>(C.Y.) | CUT<br>(C.Y.) | FILL<br>(C.Y.)    | CUT<br>(C.Y.) | FILL<br>(C.Y.) |
| SR-1 MAINLINE PHASE 2 & 3 |          |               |                |              |               |                     |                    |                |               |                |               |                   |               |                |
| 3560                      | 35+60    | 80            | 0              | 0            | 0             | 18                  |                    |                |               |                |               |                   |               |                |
| 3600                      | 36+00    | 75            | 3              | 0            | 0             | 17                  | 115                | 2              | 0             | 0              | 115           | 2                 | 115           | 2              |
| 3650                      | 36+50    | 68            | 4              | 0            | 0             | 14                  | 132                | 6              | 0             | 0              | 132           | 6                 | 247           | 9              |
| 3700                      | 37+00    | 81            | 7              | 0            | 0             | 13                  | 138                | 10             | 0             | 0              | 138           | 10                | 385           | 19             |
| 3730.67                   | 37+30.67 | 81            | 5              | 0            | 0             | 10                  | 92                 | 7              | 0             | 0              | 92            | 7                 | 477           | 26             |
| 3750                      | 37+50    | 86            | 4              | 0            | 0             | 8                   | 60                 | 3              | 0             | 0              | 60            | 3                 | 537           | 29             |
| 3800                      | 38+00    | 99            | 3              | 0            | 0             | 19                  | 171                | 6              | 0             | 0              | 171           | 6                 | 708           | 35             |
| 3850                      | 38+50    | 114           | 1              | 0            | 0             | 17                  | 197                | 4              | 0             | 0              | 197           | 4                 | 905           | 39             |
| 3900                      | 39+00    | 193           | 0              | 0            | 0             | 0                   | 284                | 1              | 0             | 0              | 284           | 1                 | 1190          | 40             |
| 3950                      | 39+50    | 193           | 0              | 0            | 0             | 0                   | 357                | 0              | 0             | 0              | 357           | 0                 | 1547          | 40             |
| 4000                      | 40+00    | 212           | 1              | 0            | 0             | 0                   | 375                | 1              | 0             | 0              | 375           | 1                 | 1922          | 41             |
| 4050                      | 40+50    | 201           | 1              | 0            | 0             | 0                   | 382                | 2              | 0             | 0              | 382           | 2                 | 2305          | 43             |
| 4100                      | 41+00    | 176           | 0              | 0            | 0             | 0                   | 349                | 1              | 0             | 0              | 349           | 1                 | 2654          | 44             |
| 4150                      | 41+50    | 153           | 6              | 0            | 0             | 0                   | 305                | 6              | 0             | 0              | 305           | 6                 | 2958          | 49             |
| 4200                      | 42+00    | 137           | 13             | 0            | 0             | 0                   | 269                | 18             | 0             | 0              | 269           | 18                | 3227          | 67             |
| 4250                      | 42+50    | 130           | 12             | 0            | 0             | 0                   | 247                | 23             | 0             | 0              | 247           | 23                | 3474          | 90             |
| 4300                      | 43+00    | 101           | 19             | 0            | 0             | 0                   | 214                | 29             | 0             | 0              | 214           | 29                | 3688          | 119            |
| 4350                      | 43+50    | 72            | 34             | 0            | 0             | 0                   | 160                | 49             | 0             | 0              | 160           | 49                | 3848          | 168            |
| 4400                      | 44+00    | 47            | 31             | 0            | 0             | 0                   | 110                | 60             | 0             | 0              | 110           | 60                | 3958          | 228            |
| 4450                      | 44+50    | 88            | 15             | 0            | 0             | 0                   | 125                | 43             | 0             | 0              | 125           | 43                | 4083          | 271            |
| 4500                      | 45+00    | 121           | 9              | 0            | 0             | 0                   | 194                | 22             | 0             | 0              | 194           | 22                | 4277          | 293            |
| 4550                      | 45+50    | 166           | 3              | 0            | 0             | 0                   | 266                | 11             | 0             | 0              | 266           | 11                | 4543          | 304            |
| 4600                      | 46+00    | 186           | 4              | 0            | 0             | 0                   | 326                | 6              | 0             | 0              | 326           | 6                 | 4868          | 310            |
| 4650                      | 46+50    | 199           | 4              | 0            | 0             | 0                   | 356                | 7              | 0             | 0              | 356           | 7                 | 5225          | 318            |
| 4700                      | 47+00    | 226           | 8              | 0            | 0             | 0                   | 394                | 11             | 0             | 0              | 394           | 11                | 5618          | 329            |
| 4750                      | 47+50    | 268           | 0              | 0            | 0             | 0                   | 457                | 7              | 0             | 0              | 457           | 7                 | 6076          | 336            |
| 4800                      | 48+00    | 257           | 0              | 0            | 0             | 0                   | 486                | 0              | 0             | 0              | 486           | 0                 | 6562          | 336            |
| 4850                      | 48+50    | 209           | 0              | 0            | 0             | 0                   | 431                | 0              | 0             | 0              | 431           | 0                 | 6993          | 336            |
| 4900                      | 49+00    | 165           | 0              | 0            | 0             | 0                   | 346                | 0              | 0             | 0              | 346           | 0                 | 7340          | 336            |
| 4950                      | 49+50    | 118           | 6              | 0            | 0             | 0                   | 262                | 6              | 0             | 0              | 262           | 6                 | 7602          | 342            |
| 5000                      | 50+00    | 86            | 20             | 12           | 14            | 0                   | 189                | 24             | 6             | 6              | 189           | 31                | 7791          | 372            |
| 5050                      | 50+50    | 71            | 29             | 12           | 16            | 0                   | 145                | 45             | 11            | 14             | 145           | 59                | 7936          | 432            |
| 5100                      | 51+00    | 51            | 74             | 3            | 29            | 0                   | 113                | 95             | 7             | 21             | 113           | 116               | 8049          | 548            |
| 5150                      | 51+50    | 68            | 61             | 10           | 25            | 0                   | 110                | 125            | 6             | 25             | 110           | 150               | 8159          | 698            |
| 5200                      | 52+00    | 47            | 151            | 2            | 36            | 0                   | 106                | 196            | 6             | 28             | 106           | 225               | 8266          | 922            |
| 5250                      | 52+50    | 35            | 164            | 2            | 37            | 0                   | 76                 | 292            | 2             | 34             | 76            | 325               | 8342          | 1248           |
| 5300                      | 53+00    | 38            | 222            | 0            | 41            | 0                   | 68                 | 357            | 1             | 36             | 68            | 394               | 8409          | 1641           |
| 5351                      | 53+51    | 0             | 0              | 0            | 0             | 0                   | 36                 | 210            | 0             | 19             | 36            | 229               | 8445          | 1870           |
|                           |          |               |                |              |               |                     |                    |                |               |                |               |                   |               |                |
| 5450                      | 54+50    | 564           | 0              | 88           | 0             | 0                   |                    |                |               |                |               |                   |               |                |
| 5500                      | 55+00    | 327           | 0              | 78           | 0             | 0                   | 825                | 0              | 77            | 0              | 825           | 0                 | 9270          | 1870           |
|                           |          |               |                |              |               |                     |                    |                |               |                |               |                   |               |                |
| 5700                      | 57+00    | 76            | 0              | 25           | 0             | 0                   |                    |                |               |                |               |                   |               |                |
| 5750                      | 57+50    | 149           | 0              | 35           | 0             | 0                   | 208                | 0              | 28            | 0              | 208           | 0                 | 9478          | 1870           |
| 5800                      | 58+00    | 126           | 0              | 32           | 0             | 0                   | 255                | 0              | 31            | 0              | 255           | 0                 | 9733          | 1870           |
| 5850                      | 58+50    | 105           | 0              | 29           | 0             | 0                   | 214                | 0              | 28            | 0              | 214           | 0                 | 9947          | 1870           |
| 5900                      | 59+00    | 88            | 0              | 26           | 0             | 0                   | 179                | 0              | 25            | 0              | 179           | 0                 | 10126         | 1870           |

| STA.    | STA.     | END           | AREA           | STRIPPING    |               | COLD<br>PLAN<br>CUT<br>(S.F.) | RAW VOLUMES        |                | STRIPPING VOLUMES |                | IN-PLACE VOLUMES        |                | CUM. VOLUMES |       |
|---------|----------|---------------|----------------|--------------|---------------|-------------------------------|--------------------|----------------|-------------------|----------------|-------------------------|----------------|--------------|-------|
|         |          | CUT<br>(S.F.) | FILL<br>(S.F.) | CUT<br>(FT.) | FILL<br>(FT.) |                               | (Before Stripping) |                | (After Stripping) |                | (Shrinkage NOT applied) |                |              |       |
|         |          |               |                |              |               |                               | CUT<br>(C.Y.)      | FILL<br>(C.Y.) | CUT<br>(C.Y.)     | FILL<br>(C.Y.) | CUT<br>(C.Y.)           | FILL<br>(C.Y.) |              |       |
| 5950    | 59+50    | 0             | 0              | 0            | 0             | 0                             | 81                 | 0              | 12                | 0              | 81                      | 0              | 10207        | 1870  |
| 6000    | 60+00    | 0             | 0              | 0            | 0             | 0                             | 0                  | 0              | 0                 | 0              | 0                       | 0              | 10207        | 1870  |
| 6059.72 | 60+59.72 | 0             | 0              | 0            | 0             | 0                             | 0                  | 0              | 0                 | 0              | 0                       | 0              | 10207        | 1870  |
| 6100    | 61+00    | 15            | 583            | 0            | 0             | 0                             | 11                 | 435            | 0                 | 0              | 11                      | 435            | 10218        | 2305  |
| 6150    | 61+50    | 18            | 390            | 0            | 0             | 0                             | 31                 | 901            | 0                 | 0              | 31                      | 901            | 10249        | 3206  |
| 6200    | 62+00    | 26            | 375            | 0            | 0             | 5                             | 41                 | 708            | 0                 | 0              | 41                      | 708            | 10290        | 3915  |
| 6250    | 62+50    | 31            | 379            | 0            | 0             | 12                            | 53                 | 698            | 0                 | 0              | 53                      | 698            | 10342        | 4613  |
| 6300    | 63+00    | 33            | 312            | 0            | 0             | 13                            | 59                 | 640            | 0                 | 0              | 59                      | 640            | 10402        | 5253  |
| 6350    | 63+50    | 27            | 276            | 0            | 0             | 6                             | 56                 | 544            | 0                 | 0              | 56                      | 544            | 10457        | 5797  |
| 6400    | 64+00    | 22            | 323            | 0            | 0             | 1                             | 45                 | 555            | 0                 | 0              | 45                      | 555            | 10503        | 6352  |
| 6450    | 64+50    | 21            | 345            | 0            | 0             | 0                             | 40                 | 619            | 0                 | 0              | 40                      | 619            | 10542        | 6970  |
| 6500    | 65+00    | 118           | 4              | 0            | 0             | 4                             | 129                | 323            | 0                 | 0              | 129                     | 323            | 10671        | 7293  |
| 6550    | 65+50    | 46            | 223            | 0            | 0             | 12                            | 152                | 210            | 0                 | 0              | 152                     | 210            | 10823        | 7503  |
| 6600    | 66+00    | 34            | 302            | 0            | 0             | 22                            | 74                 | 486            | 0                 | 0              | 74                      | 486            | 10897        | 7990  |
| 6650    | 66+50    | 54            | 252            | 0            | 0             | 26                            | 81                 | 513            | 0                 | 0              | 81                      | 513            | 10978        | 8503  |
| 6700    | 67+00    | 63            | 246            | 0            | 0             | 29                            | 108                | 461            | 0                 | 0              | 108                     | 461            | 11087        | 8964  |
| 6750    | 67+50    | 66            | 305            | 0            | 0             | 27                            | 119                | 510            | 0                 | 0              | 119                     | 510            | 11206        | 9474  |
| 6800    | 68+00    | 62            | 273            | 0            | 0             | 17                            | 119                | 535            | 0                 | 0              | 119                     | 535            | 11325        | 10009 |
| 6850    | 68+50    | 59            | 263            | 0            | 0             | 7                             | 112                | 496            | 0                 | 0              | 112                     | 496            | 11437        | 10505 |
| 6900    | 69+00    | 51            | 307            | 0            | 0             | 4                             | 102                | 528            | 0                 | 0              | 102                     | 528            | 11539        | 11033 |
| 6950    | 69+50    | 51            | 154            | 0            | 0             | 4                             | 94                 | 427            | 0                 | 0              | 94                      | 427            | 11633        | 11460 |
| 7000    | 70+00    | 79            | 233            | 0            | 0             | 9                             | 120                | 358            | 0                 | 0              | 120                     | 358            | 11753        | 11818 |
| 7050    | 70+50    | 73            | 145            | 0            | 0             | 20                            | 141                | 350            | 0                 | 0              | 141                     | 350            | 11894        | 12168 |
| 7100    | 71+00    | 74            | 69             | 0            | 0             | 17                            | 136                | 198            | 0                 | 0              | 136                     | 198            | 12030        | 12366 |
| 7150    | 71+50    | 85            | 40             | 0            | 0             | 14                            | 147                | 101            | 0                 | 0              | 147                     | 101            | 12178        | 12467 |
| 7200    | 72+00    | 92            | 41             | 0            | 0             | 14                            | 164                | 75             | 0                 | 0              | 164                     | 75             | 12341        | 12542 |
| 7250    | 72+50    | 105           | 32             | 0            | 0             | 16                            | 182                | 68             | 0                 | 0              | 182                     | 68             | 12524        | 12610 |
| 7300    | 73+00    | 118           | 30             | 0            | 0             | 16                            | 206                | 57             | 0                 | 0              | 206                     | 57             | 12730        | 12667 |
| 7350    | 73+50    | 118           | 27             | 0            | 0             | 18                            | 219                | 53             | 0                 | 0              | 219                     | 53             | 12949        | 12720 |
| 7400    | 74+00    | 118           | 27             | 0            | 0             | 19                            | 219                | 50             | 0                 | 0              | 219                     | 50             | 13167        | 12770 |
| 7450    | 74+50    | 104           | 30             | 0            | 0             | 15                            | 206                | 53             | 0                 | 0              | 206                     | 53             | 13373        | 12823 |
| 7500    | 75+00    | 94            | 34             | 0            | 0             | 11                            | 183                | 59             | 0                 | 0              | 183                     | 59             | 13556        | 12882 |
| 7550    | 75+50    | 108           | 32             | 0            | 0             | 13                            | 187                | 61             | 0                 | 0              | 187                     | 61             | 13743        | 12943 |
| 7600    | 76+00    | 103           | 26             | 0            | 0             | 18                            | 195                | 54             | 0                 | 0              | 195                     | 54             | 13939        | 12997 |
| 7650    | 76+50    | 100           | 29             | 0            | 0             | 16                            | 188                | 51             | 0                 | 0              | 188                     | 51             | 14127        | 13048 |
| 7700    | 77+00    | 77            | 33             | 0            | 0             | 11                            | 164                | 57             | 0                 | 0              | 164                     | 57             | 14291        | 13105 |
| 7750    | 77+50    | 90            | 33             | 0            | 0             | 11                            | 155                | 61             | 0                 | 0              | 155                     | 61             | 14445        | 13166 |
| 7800    | 78+00    | 119           | 25             | 0            | 0             | 19                            | 194                | 54             | 0                 | 0              | 194                     | 54             | 14639        | 13220 |
| 7850    | 78+50    | 8             | 25             | 0            | 0             | 19                            | 118                | 46             | 0                 | 0              | 118                     | 46             | 14756        | 13266 |
| 7900    | 79+00    | 91            | 24             | 0            | 0             | 20                            | 92                 | 45             | 0                 | 0              | 92                      | 45             | 14848        | 13312 |
| 7950    | 79+50    | 122           | 24             | 0            | 0             | 20                            | 197                | 44             | 0                 | 0              | 197                     | 44             | 15045        | 13356 |
| 8000    | 80+00    | 73            | 21             | 0            | 0             | 24                            | 181                | 42             | 0                 | 0              | 181                     | 42             | 15226        | 13398 |
| 8050    | 80+50    | 95            | 47             | 0            | 0             | 19                            | 156                | 63             | 0                 | 0              | 156                     | 63             | 15381        | 13461 |
| 8100    | 81+00    | 76            | 51             | 0            | 0             | 16                            | 158                | 91             | 0                 | 0              | 158                     | 91             | 15540        | 13552 |
| 8150    | 81+50    | 65            | 48             | 0            | 0             | 11                            | 131                | 92             | 0                 | 0              | 131                     | 92             | 15670        | 13643 |
| 8200    | 82+00    | 73            | 48             | 0            | 0             | 8                             | 128                | 89             | 0                 | 0              | 128                     | 89             | 15798        | 13732 |
| 8250    | 82+50    | 87            | 35             | 0            | 0             | 9                             | 148                | 77             | 0                 | 0              | 148                     | 77             | 15946        | 13809 |
| 8300    | 83+00    | 71            | 47             | 0            | 0             | 10                            | 146                | 76             | 0                 | 0              | 146                     | 76             | 16092        | 13885 |
| 8350    | 83+50    | 67            | 54             | 0            | 0             | 8                             | 128                | 94             | 0                 | 0              | 128                     | 94             | 16220        | 13978 |

| STA.     | STA.     | END           | AREA           | STRIPPING    |               | COLD<br>PLAN<br>CUT<br>(S.F.) | RAW                | VOLUMES        | STRIPPING VOLUMES |                | IN-PLACE VOLUMES        |                | CUM. VOLUMES |       |
|----------|----------|---------------|----------------|--------------|---------------|-------------------------------|--------------------|----------------|-------------------|----------------|-------------------------|----------------|--------------|-------|
|          |          | CUT<br>(S.F.) | FILL<br>(S.F.) | CUT<br>(FT.) | FILL<br>(FT.) |                               | (Before Stripping) |                | (After Stripping) |                | (Shrinkage NOT applied) |                |              |       |
|          |          |               |                |              |               |                               | CUT<br>(C.Y.)      | FILL<br>(C.Y.) | CUT<br>(C.Y.)     | FILL<br>(C.Y.) | CUT<br>(C.Y.)           | FILL<br>(C.Y.) |              |       |
| 8400     | 84+00    | 81            | 47             | 0            | 0             | 6                             | 137                | 94             | 0                 | 0              | 137                     | 94             | 16357        | 14072 |
| 8450     | 84+50    | 78            | 51             | 0            | 0             | 7                             | 147                | 91             | 0                 | 0              | 147                     | 91             | 16504        | 14163 |
| 8500     | 85+00    | 76            | 58             | 0            | 0             | 5                             | 143                | 101            | 0                 | 0              | 143                     | 101            | 16647        | 14264 |
| 8550     | 85+50    | 76            | 55             | 0            | 0             | 5                             | 141                | 105            | 0                 | 0              | 141                     | 105            | 16788        | 14368 |
| 8600     | 86+00    | 57            | 72             | 0            | 0             | 6                             | 123                | 118            | 0                 | 0              | 123                     | 118            | 16911        | 14486 |
| 8650     | 86+50    | 59            | 73             | 0            | 0             | 13                            | 107                | 134            | 0                 | 0              | 107                     | 134            | 17018        | 14620 |
| 8700     | 87+00    | 51            | 86             | 0            | 0             | 10                            | 102                | 147            | 0                 | 0              | 102                     | 147            | 17120        | 14767 |
| 8750     | 87+50    | 38            | 67             | 0            | 0             | 10                            | 82                 | 142            | 0                 | 0              | 82                      | 142            | 17203        | 14909 |
| 8800     | 88+00    | 44            | 52             | 0            | 0             | 11                            | 76                 | 110            | 0                 | 0              | 76                      | 110            | 17278        | 15019 |
| 8850     | 88+50    | 91            | 37             | 0            | 0             | 15                            | 125                | 82             | 0                 | 0              | 125                     | 82             | 17403        | 15102 |
| 8900     | 89+00    | 162           | 23             | 0            | 0             | 22                            | 234                | 56             | 0                 | 0              | 234                     | 56             | 17638        | 15157 |
| 8950     | 89+50    | 185           | 23             | 0            | 0             | 21                            | 321                | 43             | 0                 | 0              | 321                     | 43             | 17959        | 15200 |
| 9000     | 90+00    | 91            | 28             | 0            | 0             | 17                            | 256                | 47             | 0                 | 0              | 256                     | 47             | 18215        | 15247 |
| 9050     | 90+50    | 84            | 30             | 0            | 0             | 18                            | 162                | 54             | 0                 | 0              | 162                     | 54             | 18377        | 15301 |
| 9100     | 91+00    | 85            | 28             | 0            | 0             | 16                            | 156                | 54             | 0                 | 0              | 156                     | 54             | 18533        | 15354 |
| 9150     | 91+50    | 125           | 28             | 0            | 0             | 17                            | 194                | 52             | 0                 | 0              | 194                     | 52             | 18728        | 15406 |
| 9200     | 92+00    | 100           | 24             | 0            | 0             | 20                            | 208                | 48             | 0                 | 0              | 208                     | 48             | 18936        | 15454 |
| 9250     | 92+50    | 135           | 22             | 0            | 0             | 31                            | 218                | 43             | 0                 | 0              | 218                     | 43             | 19153        | 15497 |
| 9300     | 93+00    | 255           | 1              | 0            | 0             | 0                             | 361                | 21             | 0                 | 0              | 361                     | 21             | 19515        | 15518 |
| 9350     | 93+50    | 308           | 0              | 0            | 0             | 0                             | 521                | 1              | 0                 | 0              | 521                     | 1              | 20036        | 15519 |
| 9400     | 94+00    | 318           | 0              | 0            | 0             | 0                             | 580                | 0              | 0                 | 0              | 580                     | 0              | 20616        | 15519 |
| 9450     | 94+50    | 305           | 4              | 0            | 0             | 0                             | 577                | 4              | 0                 | 0              | 577                     | 4              | 21192        | 15523 |
| 9500     | 95+00    | 286           | 5              | 0            | 0             | 0                             | 547                | 8              | 0                 | 0              | 547                     | 8              | 21740        | 15531 |
| 9550     | 95+50    | 284           | 18             | 0            | 0             | 0                             | 528                | 21             | 0                 | 0              | 528                     | 21             | 22267        | 15553 |
| 9600     | 96+00    | 276           | 15             | 0            | 0             | 0                             | 519                | 31             | 0                 | 0              | 519                     | 31             | 22786        | 15583 |
| 9650     | 96+50    | 230           | 56             | 0            | 0             | 0                             | 469                | 66             | 0                 | 0              | 469                     | 66             | 23254        | 15649 |
| 9700     | 97+00    | 236           | 29             | 0            | 0             | 0                             | 431                | 79             | 0                 | 0              | 431                     | 79             | 23686        | 15728 |
| 9750     | 97+50    | 190           | 35             | 0            | 0             | 0                             | 394                | 59             | 0                 | 0              | 394                     | 59             | 24080        | 15787 |
| 9800     | 98+00    | 160           | 50             | 0            | 0             | 0                             | 324                | 79             | 0                 | 0              | 324                     | 79             | 24404        | 15866 |
| 9850     | 98+50    | 139           | 96             | 0            | 0             | 0                             | 277                | 135            | 0                 | 0              | 277                     | 135            | 24681        | 16001 |
| 9897.60  | 98+97.6  | 37            | 39             | 0            | 0             | 0                             | 155                | 119            | 0                 | 0              | 155                     | 119            | 24836        | 16120 |
| 10050    | 100+50   | 266           | 0              | 45           | 0             |                               |                    |                |                   |                |                         |                |              |       |
| 10101.10 | 101+01.1 | 263           | 0              | 56           | 145           |                               | 501                | 0              | 48                | 69             | 501                     | 69             | 25337        | 16188 |
| 10150.00 | 101+50   | 535           | 557            | 82           | 102           |                               | 723                | 504            | 63                | 112            | 723                     | 616            | 26060        | 16805 |
| 10200    | 102+00   | 534           | 572            | 80           | 107           |                               | 990                | 1045           | 75                | 97             | 990                     | 1142           | 27049        | 17947 |
| 10250    | 102+50   | 404           | 490            | 75           | 102           |                               | 869                | 983            | 72                | 97             | 869                     | 1080           | 27918        | 19027 |
| 10300    | 103+00   | 388           | 494            | 75           | 100           |                               | 733                | 911            | 69                | 94             | 733                     | 1005           | 28651        | 20032 |
| 10350    | 103+50   | 350           | 503            | 71           | 102           |                               | 683                | 923            | 68                | 94             | 683                     | 1017           | 29335        | 21049 |
| 10400    | 104+00   | 112           | 503            | 12           | 106           |                               | 428                | 931            | 38                | 96             | 428                     | 1028           | 29762        | 22077 |
| 10450    | 104+50   | 111           | 489            | 11           | 104           |                               | 206                | 919            | 11                | 97             | 206                     | 1016           | 29969        | 23093 |
| 10500    | 105+00   | 116           | 458            | 13           | 101           |                               | 210                | 877            | 11                | 95             | 210                     | 972            | 30179        | 24065 |
| 10550    | 105+50   | 132           | 414            | 15           | 96            |                               | 230                | 807            | 13                | 91             | 230                     | 899            | 30409        | 24963 |
| 10600    | 106+00   | 143           | 347            | 21           | 88            |                               | 255                | 705            | 17                | 85             | 255                     | 790            | 30663        | 25753 |
| 10650    | 106+50   | 145           | 247            | 15           | 73            |                               | 267                | 550            | 16                | 75             | 267                     | 625            | 30930        | 26378 |
| 10700    | 107+00   | 165           | 242            | 44           | 52            |                               | 287                | 453            | 27                | 58             | 287                     | 511            | 31217        | 26889 |
| 10750    | 107+50   | 147           | 221            | 40           | 52            |                               | 289                | 429            | 39                | 48             | 289                     | 477            | 31506        | 27366 |
| 10800    | 108+00   | 128           | 262            | 38           | 56            |                               | 255                | 447            | 36                | 50             | 255                     | 497            | 31761        | 27863 |
| 10850    | 108+50   | 110           | 262            | 39           | 53            |                               | 220                | 485            | 36                | 50             | 220                     | 536            | 31981        | 28399 |
| 10900    | 109+00   | 91            | 255            | 35           | 58            |                               | 186                | 479            | 34                | 51             | 186                     | 530            | 32167        | 28929 |

COMPUTED BY: HAK LIM  
 CHECKED BY: TECK TANG  
 FEDERAL PROJECT NO: NH01(424)  
 ROUTE NO.: S.R.1 (U.S. 70) SUMMER AVENUE

SHEET 6 OUT OF 9  
 STATE NO.: 79011-1245-04  
 PIN: 101609.01  
 COUNTY: SHELBY

| STA.  | STA.   | END AREA      |                | STRIPPING    |               | COLD<br>PLAN<br>CUT<br>(S.F.) | RAW VOLUMES<br>(Before Stripping) |                | STRIPPING VOLUMES |                | IN-PLACE VOLUMES<br>(After Stripping) |                | CUM. VOLUMES<br>(Shrinkage NOT applied) |                |
|-------|--------|---------------|----------------|--------------|---------------|-------------------------------|-----------------------------------|----------------|-------------------|----------------|---------------------------------------|----------------|-----------------------------------------|----------------|
|       |        | CUT<br>(S.F.) | FILL<br>(S.F.) | CUT<br>(FT.) | FILL<br>(FT.) |                               | CUT<br>(C.Y.)                     | FILL<br>(C.Y.) | CUT<br>(C.Y.)     | FILL<br>(C.Y.) | CUT<br>(C.Y.)                         | FILL<br>(C.Y.) | CUT<br>(C.Y.)                           | FILL<br>(C.Y.) |
| 10950 | 109+50 | 73            | 256            | 29           | 65            |                               | 152                               | 473            | 30                | 57             | 152                                   | 530            | 32319                                   | 29458          |
| 11000 | 110+00 | 56            | 295            | 23           | 72            |                               | 119                               | 510            | 24                | 63             | 119                                   | 573            | 32438                                   | 30032          |
| 11050 | 110+50 | 44            | 298            | 22           | 74            |                               | 93                                | 549            | 21                | 68             | 93                                    | 617            | 32531                                   | 30648          |
| 11100 | 111+00 | 49            | 277            | 22           | 73            |                               | 86                                | 532            | 20                | 68             | 86                                    | 601            | 32617                                   | 31249          |
| 11150 | 111+50 | 61            | 259            | 26           | 70            |                               | 102                               | 496            | 22                | 66             | 102                                   | 562            | 32719                                   | 31811          |
| 11200 | 112+00 | 88            | 216            | 33           | 58            |                               | 138                               | 440            | 27                | 59             | 138                                   | 499            | 32857                                   | 32310          |
| 11250 | 112+50 | 88            | 184            | 30           | 57            |                               | 163                               | 370            | 29                | 54             | 163                                   | 424            | 33020                                   | 32734          |
| 11300 | 113+00 | 93            | 180            | 25           | 66            |                               | 168                               | 337            | 26                | 57             | 168                                   | 394            | 33187                                   | 33128          |
| 11350 | 113+50 | 153           | 113            | 42           | 48            |                               | 228                               | 271            | 31                | 52             | 228                                   | 324            | 33415                                   | 33452          |
| 11400 | 114+00 | 203           | 11             | 50           | 28            |                               | 330                               | 115            | 43                | 35             | 330                                   | 150            | 33745                                   | 33601          |
| 11450 | 114+50 | 228           | 4              | 0            | 0             |                               | 399                               | 14             | 23                | 13             | 399                                   | 27             | 34144                                   | 33628          |
| 11500 | 115+00 | 264           | 4              | 0            | 0             |                               | 456                               | 7              | 0                 | 0              | 456                                   | 7              | 34599                                   | 33635          |
| 11550 | 115+50 | 304           | 0              | 0            | 0             |                               | 526                               | 4              | 0                 | 0              | 526                                   | 4              | 35125                                   | 33639          |
| 11600 | 116+00 | 348           | 0              | 0            | 0             |                               | 604                               | 0              | 0                 | 0              | 604                                   | 0              | 35729                                   | 33639          |
| 11650 | 116+50 | 353           | 0              | 0            | 0             |                               | 649                               | 0              | 0                 | 0              | 649                                   | 0              | 36378                                   | 33639          |
| 11700 | 117+00 | 311           | 3              | 0            | 0             |                               | 615                               | 3              | 0                 | 0              | 615                                   | 3              | 36993                                   | 33642          |
| 11750 | 117+50 | 273           | 1              | 0            | 0             |                               | 541                               | 4              | 0                 | 0              | 541                                   | 4              | 37534                                   | 33646          |
| 11800 | 118+00 | 193           | 3              | 0            | 0             |                               | 431                               | 4              | 0                 | 0              | 431                                   | 4              | 37965                                   | 33649          |
| 11850 | 118+50 | 191           | 4              | 0            | 0             | 17                            | 356                               | 6              | 0                 | 0              | 356                                   | 6              | 38321                                   | 33656          |
| 11900 | 119+00 | 73            | 0              | 0            | 0             | 5                             | 244                               | 4              | 0                 | 0              | 244                                   | 4              | 38565                                   | 33659          |
| 11950 | 119+50 | 59            | 0              | 0            | 0             | 2                             | 122                               | 0              | 0                 | 0              | 122                                   | 0              | 38687                                   | 33659          |
| 12000 | 120+00 | 83            | 0              | 0            | 0             | 5                             | 131                               | 0              | 0                 | 0              | 131                                   | 0              | 38819                                   | 33659          |
| 12050 | 120+50 | 111           | 0              | 0            | 0             | 21                            | 180                               | 0              | 0                 | 0              | 180                                   | 0              | 38999                                   | 33659          |
| 12100 | 121+00 | 126           | 0              | 0            | 0             | 35                            | 219                               | 0              | 0                 | 0              | 219                                   | 0              | 39218                                   | 33659          |
| 12150 | 121+50 | 242           | 0              | 0            | 0             |                               | 341                               | 0              | 0                 | 0              | 341                                   | 0              | 39559                                   | 33659          |
| 12200 | 122+00 | 284           | 0              | 0            | 0             |                               | 487                               | 0              | 0                 | 0              | 487                                   | 0              | 40046                                   | 33659          |
| 12250 | 122+50 | 338           | 0              | 0            | 0             |                               | 576                               | 0              | 0                 | 0              | 576                                   | 0              | 40622                                   | 33659          |
| 12300 | 123+00 | 289           | 0              | 0            | 0             |                               | 581                               | 0              | 0                 | 0              | 581                                   | 0              | 41202                                   | 33659          |
| 12350 | 123+50 | 233           | 0              | 0            | 0             |                               | 483                               | 0              | 0                 | 0              | 483                                   | 0              | 41686                                   | 33659          |
| 12400 | 124+00 | 190           | 0              | 0            | 0             |                               | 392                               | 0              | 0                 | 0              | 392                                   | 0              | 42077                                   | 33659          |
| 12450 | 124+50 | 172           | 0              | 0            | 0             |                               | 335                               | 0              | 0                 | 0              | 335                                   | 0              | 42412                                   | 33659          |
| 12500 | 125+00 | 82            | 3              | 0            | 0             |                               | 235                               | 3              | 0                 | 0              | 235                                   | 3              | 42648                                   | 33662          |
| 12550 | 125+50 | 142           | 13             | 0            | 0             |                               | 207                               | 15             | 0                 | 0              | 207                                   | 15             | 42855                                   | 33677          |
| 12560 | 125+60 | 141           | 13             | 0            | 0             |                               | 52                                | 5              | 0                 | 0              | 52                                    | 5              | 42907                                   | 33682          |
|       |        |               |                |              |               |                               | 1061                              | 42907          | 31547             | 1209           | 2135                                  | 42907          | 33682                                   |                |

COMPUTED BY: HAK LIM  
 CHECKED BY: TECK TANG  
 FEDERAL PROJECT NO: NH01(424)  
 ROUTE NO.: S.R.1 (U.S. 70) SUMMER AVENUE

SHEET 7 OUT OF 9  
 STATE NO.: 79011-1245-04  
 PIN: 101609.01  
 COUNTY: SHELBY

| STA.                     | END AREA      |                | STRIPPING    |               | RAW VOLUMES        |                | STRIPPING VOLUMES |                | IN-PLACE VOLUMES  |                | CUM. VOLUMES            |                |
|--------------------------|---------------|----------------|--------------|---------------|--------------------|----------------|-------------------|----------------|-------------------|----------------|-------------------------|----------------|
|                          | CUT<br>(S.F.) | FILL<br>(S.F.) | CUT<br>(FT.) | FILL<br>(FT.) | (Before Stripping) |                |                   |                | (After Stripping) |                | (Shrinkage NOT applied) |                |
|                          |               |                |              |               | CUT<br>(C.Y.)      | FILL<br>(C.Y.) | CUT<br>(C.Y.)     | FILL<br>(C.Y.) | CUT<br>(C.Y.)     | FILL<br>(C.Y.) | CUT<br>(C.Y.)           | FILL<br>(C.Y.) |
| Bartlett Rd./ Shelby Dr. |               |                |              |               |                    |                |                   |                |                   |                |                         |                |
| 28+37.92                 | 86            | 6              | 0            | 0             |                    |                |                   |                |                   |                |                         |                |
| 28+50                    | 86            | 7              | 0            | 0             | 38                 | 3              | 0                 | 0              | 38                | 3              | 38                      | 3              |
| 29+00                    | 65            | 11             | 0            | 0             | 140                | 17             | 0                 | 0              | 140               | 17             | 178                     | 20             |
| 29+50                    | 40            | 18             | 0            | 0             | 97                 | 27             | 0                 | 0              | 97                | 27             | 276                     | 46             |
| 30+00                    | 32            | 37             | 0            | 0             | 67                 | 51             | 0                 | 0              | 67                | 51             | 342                     | 97             |
| 30+50                    | 19            | 65             | 0            | 0             | 47                 | 94             | 0                 | 0              | 47                | 94             | 389                     | 192            |
| 31+00                    | 17            | 73             | 0            | 0             | 33                 | 128            | 0                 | 0              | 33                | 128            | 423                     | 320            |
| 31+50                    | 33            | 52             | 0            | 0             | 46                 | 116            | 0                 | 0              | 46                | 116            | 469                     | 435            |
| 32+00                    | 83            | 1              | 0            | 0             | 107                | 49             | 0                 | 0              | 107               | 49             | 576                     | 484            |
| 33+81.82                 | 88            | 0              | 0            | 0             |                    |                |                   |                |                   |                |                         |                |
| 34+00                    | 82            | 0              | 0            | 0             | 57                 | 0              | 0                 | 0              | 57                | 0              | 634                     | 484            |
| 34+50                    | 84            | 0              | 0            | 0             | 154                | 0              | 0                 | 0              | 154               | 0              | 787                     | 484            |
| 35+00                    | 82            | 0              | 0            | 0             | 154                | 0              | 0                 | 0              | 154               | 0              | 941                     | 484            |
| 35+64.62                 | 76            | 5              | 0            | 0             | 340                | 11             | 0                 | 0              | 340               | 11             | 1281                    | 495            |
|                          |               |                |              |               | 1281               | 495            | 0                 | 0              | 1281              | 495            |                         |                |

COMPUTED BY: HAK LIM  
CHECKED BY: TECK TANG  
FEDERAL PROJECT NO: NH01(424)  
ROUTE NO.: S.R.1 (U.S. 70) SUMMER AVENUE

SHEET 8 OUT OF 9  
STATE NO.: 79011-1245-04  
PIN: 101609.01  
COUNTY: SHELBY

| STA.             | STA.     | END AREA      |                | STRIPPING    |               | RAW VOLUMES        | STRIPPING VOLUMES |                   | IN-PLACE VOLUMES |                         | CUM. VOLUMES   |     |   |
|------------------|----------|---------------|----------------|--------------|---------------|--------------------|-------------------|-------------------|------------------|-------------------------|----------------|-----|---|
|                  |          | CUT<br>(S.F.) | FILL<br>(S.F.) | CUT<br>(FT.) | FILL<br>(FT.) | (Before Stripping) |                   | (After Stripping) |                  | (Shrinkage NOT applied) |                |     |   |
|                  |          |               |                |              |               | CUT<br>(C.Y.)      | FILL<br>(C.Y.)    | CUT<br>(C.Y.)     | FILL<br>(C.Y.)   | CUT<br>(C.Y.)           | FILL<br>(C.Y.) |     |   |
| Summer Trees Dr. |          |               |                |              |               |                    |                   |                   |                  |                         |                |     |   |
| 3385.67          | 33+85.67 | 132           | 0              | 14           | 0             |                    |                   |                   |                  |                         |                |     |   |
| 3400             | 34+00    | 104           | 0              | 9            | 0             | 63                 | 0                 | 3                 | 0                | 63                      | 0              | 63  | 0 |
| 3461.28          | 34+61.28 | 66            | 5              | 7            | 2             | 193                | 6                 | 9                 | 1                | 193                     | 7              | 256 | 7 |
|                  |          |               |                |              |               | 256                | 6                 | 12                | 1                | 256                     | 7              |     |   |



COMPUTED BY: HAK LIM  
 CHECKED BY: TECK TANG  
 FEDERAL PROJECT NO: NH01(424)  
 ROUTE NO.: S.R.1 (U.S. 70) SUMMER AVENUE

SHEET 9 OUT OF 9  
 STATE NO.: 79011-1245-04  
 PIN: 101609.01  
 COUNTY: SHELBY

| STA.                     | END AREA |        | STRIPPING |       | COLD<br>PLAN<br>CUT<br>(S.F.) | RAW                | VOLUMES | STRIPPING VOLUMES |        | IN-PLACE VOLUMES  |        | CUM. VOLUMES            |        |
|--------------------------|----------|--------|-----------|-------|-------------------------------|--------------------|---------|-------------------|--------|-------------------|--------|-------------------------|--------|
|                          | CUT      | FILL   | CUT       | FILL  |                               | (Before Stripping) |         |                   |        | (After Stripping) |        | (Shrinkage NOT applied) |        |
|                          | (S.F.)   | (S.F.) | (FT.)     | (FT.) |                               | CUT                | FILL    | CUT               | FILL   | CUT               | FILL   | CUT                     | FILL   |
|                          |          |        |           |       |                               | (C.Y.)             | (C.Y.)  | (C.Y.)            | (C.Y.) | (C.Y.)            | (C.Y.) | (C.Y.)                  | (C.Y.) |
| <b>Sycamore View Rd.</b> |          |        |           |       |                               |                    |         |                   |        |                   |        |                         |        |
| 34+00                    | 20       | 4      | 0         | 0     | 11                            |                    |         |                   |        |                   |        |                         |        |
| 34+50                    | 46       | 3      | 0         | 0     | 11                            | 61                 | 6       | 0                 | 0      | 61                | 6      | 61                      | 6      |
| 35+00                    | 83       | 1      | 0         | 0     | 18                            | 120                | 4       | 0                 | 0      | 120               | 4      | 181                     | 10     |
| 35+50                    | 108      | 2      | 0         | 0     | 16                            | 177                | 3       | 0                 | 0      | 177               | 3      | 359                     | 12     |
| 36+00                    | 106      | 8      | 0         | 0     | 10                            | 198                | 9       | 0                 | 0      | 198               | 9      | 557                     | 21     |
| 36+50                    | 94       | 25     | 0         | 0     | 2                             | 185                | 30      | 0                 | 0      | 185               | 30     | 742                     | 51     |
| 36+95.96                 | 105      | 32     | 0         | 0     | 0                             | 169                | 49      | 0                 | 0      | 169               | 49     | 911                     | 100    |
| 37+55.92                 | 89       | 43     | 0         | 0     | 0                             | 215                | 83      | 0                 | 0      | 215               | 83     | 1127                    | 183    |
| 37+93.77                 | 60       | 0      | 0         | 0     | 0                             | 104                | 30      | 0                 | 0      | 104               | 30     | 1231                    | 213    |
| 40+53.63                 | 65       | 0      | 0         | 0     | 5                             |                    |         |                   |        |                   |        |                         |        |
| 40+92.73                 | 81       | 16     | 0         | 0     | 8                             | 106                | 12      | 0                 | 0      | 106               | 12     | 1337                    | 225    |
| 41+50                    | 111      | 11     | 0         | 0     | 11                            | 205                | 28      | 0                 | 0      | 205               | 28     | 1541                    | 253    |
| 42+00                    | 104      | 12     | 0         | 0     | 11                            | 199                | 21      | 0                 | 0      | 199               | 21     | 1741                    | 274    |
| 42+50                    | 87       | 18     | 0         | 0     | 9                             | 176                | 28      | 0                 | 0      | 176               | 28     | 1917                    | 303    |
| 43+00                    | 90       | 1      | 0         | 0     | 10                            | 163                | 18      | 0                 | 0      | 163               | 18     | 2080                    | 321    |
| 43+50                    | 76       | 1      | 0         | 0     | 13                            | 153                | 2       | 0                 | 0      | 153               | 2      | 2233                    | 323    |
| 43+83.18                 | 60       | 12     | 0         | 0     | 12                            | 84                 | 8       | 0                 | 0      | 84                | 8      | 2317                    | 331    |
|                          |          |        |           |       |                               | 2317               | 331     | 0                 | 0      | 2317              | 331    |                         |        |