

DIVISION OF HIGHWAYS  
 STATE OF NORTH CAROLINA

**SUMMARY OF EARTHWORK**  
 IN CUBIC YARDS

| CHAIN                                            | BEGINNING STATION | ENDING STATION | UNCL. EXCA. C.Y. | UNDERCUT C.Y. | EMBANK. +% C.Y. | BORROW C.Y.    | WASTE C.Y.    |
|--------------------------------------------------|-------------------|----------------|------------------|---------------|-----------------|----------------|---------------|
| <b>SUMMARY 1</b>                                 |                   |                |                  |               |                 |                |               |
| -L- LT                                           | 28+00.00          | 58+00.00       | 2,289            |               | 3,096           | 847            | 40            |
| -L- LT                                           | 58+00.00          | 77+11.40       | 2,709            |               | 1,314           |                | 1,395         |
| -Y1-                                             | 21+70.00          | 36+75.00       | 828              |               | 43,525          | 43,377         | 680           |
| -RPB-                                            | 12+00.00          | 26+50.00       | 2,483            |               | 18,764          | 17,281         | 1,000         |
| -RPC-                                            | 10+00.00          | 24+50.00       | 915              |               | 19,829          | 19,564         | 650           |
| <b>SUBTOTAL</b>                                  |                   |                | <b>9,224</b>     |               | <b>86,528</b>   | <b>81,069</b>  | <b>3,765</b>  |
| <b>SUMMARY 2</b>                                 |                   |                |                  |               |                 |                |               |
| -L- RT                                           | 33+50.00          | 63+50.00       | 3,473            |               | 2,580           |                | 893           |
| -L- RT                                           | 63+50.00          | 82+00.00       | 2,598            |               | 1,590           |                | 1,008         |
| -Y1-                                             | 38+04.00          | 56+50.00       | 2,391            |               | 40,956          | 38,565         |               |
| -RPA-                                            | 14+00.00          | 21+50.00       | 837              |               | 5,543           | 4,786          | 80            |
| -RPD-                                            | 10+00.00          | 30+50.00       | 5,784            |               | 4,404           |                | 1,380         |
| <b>SUBTOTAL</b>                                  |                   |                | <b>15,083</b>    |               | <b>55,072</b>   | <b>43,351</b>  | <b>3,361</b>  |
| <b>SUMMARY 3</b>                                 |                   |                |                  |               |                 |                |               |
| -Y2-                                             | 10+50.00          | 33+50.00       | 7,683            | 2,169         | 16,325          | 10,802         | 4,329         |
| <b>SUBTOTAL</b>                                  |                   |                | <b>7,683</b>     | <b>2,169</b>  | <b>16,325</b>   | <b>10,802</b>  | <b>4,329</b>  |
| <b>SUMMARY 4</b>                                 |                   |                |                  |               |                 |                |               |
| -TEMPRPB-                                        | 11+00.00          | 17+50.00       | 138              |               | 13,231          | 13,093         |               |
| -TEMPRPC-                                        | 11+50.00          | 22+00.00       | 128              |               | 19,118          | 18,990         |               |
| -TEMPRPC-REMOVE                                  | 12+00.00          | 16+00.00       | 90               |               |                 |                |               |
| <b>SUBTOTAL</b>                                  |                   |                | <b>356</b>       |               | <b>32,349</b>   | <b>32,083</b>  |               |
| <b>SHEET TOTALS</b>                              |                   |                | <b>32,346</b>    | <b>2,169</b>  | <b>190,274</b>  | <b>167,305</b> | <b>11,456</b> |
| <b>MATERIAL FOR SHOULDER CONSTRUCTION</b>        |                   |                |                  |               | <b>10,671</b>   |                |               |
| <b>GRADE POINT UNDERCUT CONTINGENCY</b>          |                   |                |                  | <b>150</b>    | <b>188</b>      | <b>188</b>     | <b>150</b>    |
| <b>CONTINGENCY UNDERCUT FOR SUBGRADE</b>         |                   |                |                  | <b>500</b>    |                 |                |               |
| <b>ADDITIONAL UNDERCUT CONTINGENCY</b>           |                   |                |                  | <b>500</b>    |                 |                |               |
| <b>EARTH WASTE IN LIEU OF BORROW</b>             |                   |                |                  |               |                 | <b>-1,777</b>  | <b>-1,777</b> |
| <b>PROJECT TOTAL</b>                             |                   |                | <b>32,346</b>    | <b>3,319</b>  | <b>201,133</b>  | <b>165,716</b> | <b>9,829</b>  |
| <b>EST. 5% TO REPLACE TOP SOIL ON BORROW PIT</b> |                   |                |                  |               |                 | <b>8,286</b>   |               |
| <b>GRAND TOTAL</b>                               |                   |                | <b>32,346</b>    |               |                 | <b>174,001</b> |               |
| <b>SAY</b>                                       |                   |                | <b>32,350</b>    |               |                 | <b>174,010</b> |               |

**\*UNCLASSIFIED EXCAVATION - ACCEPTABLE BUT NOT TO BE USED IN THE TOP 3' OF EMBANKMENT OR BACKFILL (5,100 CY) SEE LOCATIONS BELOW**

|                              |                              |                              |
|------------------------------|------------------------------|------------------------------|
| -L- 43+75 - 45+75 (150 CY)   | -RPB- 15+25 - 18+75 (630 CY) | -RPD- 13+00 - 18+50 (930 CY) |
| -Y1- 47+25 - 54+00 (1950 CY) | -RPC- 16+75 - 20+75 (420 CY) | -RPD- 24+75 - 29+60 (960 CY) |

**Note: Earthwork quantities are calculated by the Roadway Design Unit. These earthwork quantities are based in part on subsurface data provided by the Geotechnical Engineering Unit.**

5/9/2016  
 1/18/2023  
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