

CONST. REV - 9/17: REVISED EARTHWORK QUANTITIES
 DUE TO UPDATING THE MAINLINE CROSS SECTIONS.

STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS
SUMMARY OF EARTHWORK
 IN CUBIC YARDS

| STATION TO STATION | PHASE | UNCLASSIFIED EXCAVATION | EMBT + % | BORROW | WASTE |
|---|-------|-------------------------|----------|---------|---------|
| -L- 15+35.00 TO 45+00.00 | LT | I | 3,291 | 7,336 | 4,045 |
| -L- 45+00.00 TO 75+00.00 | LT | I | 11,331 | 9,200 | 2,131 |
| -L- 75+00.00 TO 84+00.00 | LT | I | 38 | 1,477 | 1,439 |
| -L- 84+00.00 TO 92+00.00 | LT | I | 250 | 1,219 | 969 |
| -L- 92+00.00 TO 105+00.00 | RT | I | 107 | 3,420 | 3,313 |
| -L- 105+00.00 TO 135+00.00 | RT | I | 10,860 | 8,467 | 2,393 |
| -L- 135+00.00 TO 165+00.00 | RT | I | 6,222 | 4,385 | 1,837 |
| -L- 165+00.00 TO 195+00.00 | RT | I | 4,433 | 25,239 | 20,806 |
| -L- 195+00.00 TO 198+28.48 | RT | I | 5,076 | 29 | 5,047 |
| | | | | | |
| -Y2- 12+00.00 TO 14+00.00 | | I | 99 | 5 | 94 |
| -Y3- 13+20.00 TO 16+50.00 | | I | 226 | 683 | 457 |
| -Y5- 11+00.00 TO 14+54.49 | | I | 158 | 907 | 749 |
| -Y6- 10+50.00 TO 13+37.59 | | I | 10 | 823 | 813 |
| -Y7- 10+50.00 TO 13+00.00 | | I | 26 | 453 | 427 |
| -Y8- 10+50.00 TO 13+84.00 | | I | 1,771 | 28 | 1,743 |
| -Y11- 11+00.00 TO 14+63.00 | | I | 708 | 455 | 253 |
| -Y12- 10+00.00 TO 18+00.00 | | I | 166 | 7,719 | 7,553 |
| SUBTOTAL | | | 44,772 | 71,845 | 40,571 |
| | | | | | |
| -L- 15+35.00 TO 45+00.00 | RT | II | 1,623 | 22,012 | 20,389 |
| -L- 45+00.00 TO 75+00.00 | RT | II | 789 | 18,349 | 17,560 |
| -L- 75+00.00 TO 84+00.00 | RT | II | 102 | 2,786 | 2,684 |
| -L- 84+00.00 TO 92+00.00 | RT | II | 23 | 4,683 | 4,660 |
| -L- 92+00.00 TO 105+00.00 | LT | II | 619 | 2,186 | 1,567 |
| -L- 105+00.00 TO 135+00.00 | LT | II | 555 | 11,729 | 11,174 |
| -L- 135+00.00 TO 165+00.00 | LT | II | 441 | 11,587 | 11,146 |
| -L- 165+00.00 TO 195+00.00 | LT | II | 2,924 | 8,489 | 5,565 |
| -L- 195+00.00 TO 198+28.48 | LT | II | 21 | 454 | 433 |
| | | | | | |
| -Y4- 10+50.00 TO 13+20.00 | | II | 85 | 3,138 | 3,053 |
| -Y9- 12+61.00 TO 13+74.10 | | II | 25 | 66 | 41 |
| -Y10- 10+19.00 TO 12+50.00 | | II | 57 | 434 | 377 |
| SUBTOTAL | | | 7,264 | 85,913 | 78,649 |
| | | | | | |
| -L- 15+35.00 TO 45+00.00 | MED | III | 325 | 848 | 523 |
| -L- 45+00.00 TO 75+00.00 | MED | III | 186 | 1,580 | 1,394 |
| -L- 75+00.00 TO 84+00.00 | MED | III | 23 | 521 | 498 |
| -L- 84+00.00 TO 92+00.00 | MED | III | 28 | | 28 |
| -L- 92+00.00 TO 105+00.00 | MED | III | 92 | 857 | 765 |
| -L- 105+00.00 TO 135+00.00 | MED | III | 380 | 2,025 | 1,645 |
| -L- 135+00.00 TO 165+00.00 | MED | III | 197 | 1,194 | 997 |
| -L- 165+00.00 TO 195+00.00 | MED | III | 231 | 6,419 | 6,188 |
| -L- 195+00.00 TO 198+28.48 | MED | III | 132 | 413 | 281 |
| SUBTOTAL | | | 1,594 | 13,857 | 12,291 |
| | | | | | |
| SUMMARY TOTALS | | | 53,630 | 171,615 | 131,511 |
| | | | | | |
| MATERIAL FOR SHOULDER CONSTRUCTION | | | | 2,300 | 2,300 |
| LOSS DUE TO CLEARING AND GRUBBING | | | -14,000 | | 14,000 |
| WASTE IN LIEU OF BORROW | | | | -13,526 | -13,526 |
| PROJECT TOTALS | | | 39,630 | 173,915 | 134,285 |
| | | | | | |
| EST. 5% TO REPLACE TOP SOIL ON BORROW PIT | | | | | 6,715 |
| GRAND TOTALS | | | 39,630 | 173,915 | 141,000 |
| SAY | | | 39,700 | 141,100 | |

ESTIMATED DDE = 2,780 CY
 SELECT GRANULAR MATERIAL = 1,000 CY
 UNDERCUT EXCAVATION = 7,500 CY
 SHALLOW UNDERCUT = 1,000 CY
 CLASS IV SUBGRADE STABILIZATION = 1,800 TONS
 PAVEMENT STRUCTURE VOLUME = 44,255 CY

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.

5/28/99
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