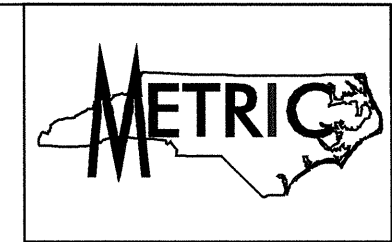


STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS



SUMMARY OF EARTHWORK

(VOLUMES IN CUBIC METERS)

NOTE : EMBANKMENT INCLUDES BACKFILL FOR UNDERCUT

| LOCATION | UNCL EXCAVATION | ROCK EXCAVATION | UNDERCUT | EMBT+% | BORROW | WASTE |
|--|-----------------|-----------------|--------------|---------------|---------------|---------------|
| -L- LT 10+00 TO 19+00 | 12,372 | 0 | 0 | 15,748 | 3,376 | 0 |
| -L- LT 19+00 TO 22+52.300 (BEG. BRDG.) | 4,685 | 0 | 0 | 2,796 | 0 | 1,889 |
| -L- LT 23+14.500 (END BRDG.) TO 32+00 | 13,761 | 0 | 2,056 | 9,421 | 0 | 6,396 |
| -Y9A- 10+14.422 TO 10+60 | 402 | 0 | 0 | 0 | 0 | 402 |
| SUB-TOTAL | 31,220 | 0 | 2,056 | 27,965 | 3,376 | 8,687 |
| -L- LT 32+00 TO 41+00 | 6,720 | 0 | 0 | 7,964 | 1,244 | 0 |
| -L- LT 41+00 TO 50+00 | 21,357 | 0 | 0 | 41,795 | 20,438 | 0 |
| -Y11- 11+87.210 TO 12+31.501 | 40 | 0 | 0 | 2,494 | 2,454 | 0 |
| SUB-TOTAL | 21,397 | 0 | 0 | 44,289 | 22,892 | 0 |
| -L- LT 50+00 TO 59+00 | 18,783 | 0 | 689 | 34,918 | 18,423 | 2,977 |
| -Y12- 11+37.276 TO 11+90 | 144 | 0 | 0 | 262 | 118 | 0 |
| SUB-TOTAL | 18,927 | 0 | 689 | 35,180 | 18,541 | 2,977 |
| -L- LT 59+00 TO 68+00 | 47,883 | 0 | 1,898 | 18,365 | 0 | 31,416 |
| -Y13- 11+30.666 TO 11+80 | 99 | 0 | 0 | 47 | 0 | 52 |
| SUB-TOTAL | 47,982 | 0 | 1,898 | 18,412 | 0 | 31,468 |
| -L- LT 68+00 TO 77+00 | 14,922 | 0 | 0 | 25,015 | 10,093 | 0 |
| -Y14- 10+99.503 TO 11+60 | 38 | 0 | 0 | 322 | 284 | 0 |
| SUB-TOTAL | 14,960 | 0 | 0 | 25,337 | 10,377 | 0 |
| -L- LT 77+00 TO 86+00 | 13,799 | 0 | 560 | 22,289 | 11,500 | 3,570 |
| -L- LT 86+00 TO 95+00 | 30,704 | 2 | 1,153 | 20,140 | 0 | 11,717 |
| -Y15- 10+95.386 TO 11+40 | 235 | 0 | 0 | 12 | 0 | 223 |
| -Y16- 10+00 TO 11+30 | 732 | 0 | 0 | 0 | 0 | 732 |
| -Y16A- 10+14.200 TO 10+55.548 | 0 | 0 | 0 | 1,511 | 1,511 | 0 |
| SUB-TOTAL | 31,671 | 2 | 1,153 | 21,663 | 1,511 | 12,672 |
| -L- LT 95+00 TO 96+81.400 (BEG. BRDG.) | 3,049 | 0 | 0 | 1,672 | 0 | 1,377 |
| SUB-TOTAL | | | | | | |
| -L- LT 97+18.600 (END BRDG.) TO 104+00.000 | 6,129 | 0 | 0 | 3,910 | 0 | 2,219 |
| -L- LT 104+00 TO 113+00 | 29,215 | 340 | 2,342 | 30,039 | 10,214 | 11,732 |
| -Y17- 10+15.257 TO 10+70 | 24 | 0 | 0 | 152 | 128 | 0 |
| SUB-TOTAL | 29,239 | 340 | 2,342 | 30,191 | 10,342 | 11,732 |
| -L- LT 113+00 TO 124+00 LB | 7,836 | 0 | 0 | 74,646 | 66,810 | 0 |
| -Y18- 10+98.831 TO 11+50 | 18 | 0 | 0 | 1,700 | 1,682 | 0 |
| SUB-TOTAL | 7,854 | 0 | 0 | 76,346 | 68,492 | 0 |
| -SBL- 124+00 LA TO 129+80 | 18,542 | 242 | 0 | 1,540 | 0 | 17,002 |

| LOCATION | UNCL EXCAVATION | ROCK EXCAVATION | UNDERCUT | EMBT+% | BORROW | WASTE |
|---|-----------------|-----------------|---------------|----------------|----------------|----------------|
| -L- RT 21+50 TO 22+29.854 | 3 | 0 | 0 | 71 | 68 | 0 |
| SUB-TOTAL | | | | | | |
| -L- RT 36+28.121 TO 37+40 | 276 | 0 | 0 | 197 | 0 | 79 |
| -Y10A- 10+82.744 TO 11+19.200 | 48 | 0 | 0 | 0 | 0 | 48 |
| -Y11- 11+10 TO 11+55.191 | 42 | 0 | 0 | 12 | 0 | 30 |
| -L- RT 44+20 TO 45+20 | 108 | 0 | 0 | 196 | 88 | 0 |
| SUB-TOTAL | 474 | 0 | 0 | 405 | 88 | 157 |
| -L- RT 51+45.443 TO 53+20 | 868 | 0 | 0 | 374 | 0 | 494 |
| -Y12- 10+50 TO 11+08.515 | 8 | 0 | 0 | 41 | 33 | 0 |
| SUB-TOTAL | 876 | 0 | 0 | 415 | 33 | 494 |
| -L- RT 68+90 TO 70+60 | 19 | 0 | 0 | 1,166 | 1,147 | 0 |
| -L- RT 74+20 TO 75+00 | 184 | 0 | 0 | 52 | 0 | 132 |
| -Y14- 10+00 TO 10+61.647 | 70 | 0 | 0 | 25 | 0 | 45 |
| SUB-TOTAL | 273 | 0 | 0 | 1,243 | 1,147 | 177 |
| -L- RT 97+60 TO 98+00 | 0 | 0 | 0 | 34 | 34 | 0 |
| -L- RT 114+00 TO 116+00 | 0 | 0 | 0 | 1,636 | 1,636 | 0 |
| -L- RT 118+39.315 TO 119+40 | 103 | 0 | 0 | 389 | 286 | 0 |
| -Y18- 10+30.000 TO 10+63.080 | 31 | 0 | 0 | 19 | 0 | 12 |
| -L- RT 120+60 TO 121+90 | 0 | 0 | 0 | 198 | 198 | 0 |
| -NBL- 124+00.000 LA TO 127+80 | 3,167 | 0 | 0 | 14 | 0 | 3,153 |
| -NBL- 128+20 TO 129+80 | 463 | 0 | 0 | 509 | 46 | 0 |
| SUB-TOTAL | 3,764 | 0 | 0 | 2,765 | 2,166 | 3,165 |
| -L- OUTSIDE NBL 10+00 TO 22+31.672 | 614 | 0 | 0 | 0 | 0 | 614 |
| -L- OUTSIDE NBL 22+93.832 TO 36+28.121 | 665 | 0 | 0 | 0 | 0 | 665 |
| -L- OUTSIDE NBL 37+83.521 TO 44+31.773 | 323 | 0 | 0 | 0 | 0 | 323 |
| -L- OUTSIDE NBL 45+56.839 TO 51+45.443 | 293 | 0 | 0 | 0 | 0 | 293 |
| -L- OUTSIDE NBL 53+64.873 TO 61+26.349 | 379 | 0 | 0 | 0 | 0 | 379 |
| -L- OUTSIDE NBL 62+43.490 TO 73+90.636 | 571 | 0 | 0 | 0 | 0 | 571 |
| -L- OUTSIDE NBL 75+49.402 TO 85+62.209 | 505 | 0 | 0 | 0 | 0 | 505 |
| -L- OUTSIDE NBL 86+76.957 TO 96+70.177 | 495 | 0 | 0 | 0 | 0 | 495 |
| -L- OUTSIDE NBL 97+06.311 TO 105+51.664 | 421 | 0 | 0 | 0 | 0 | 421 |
| -L- OUTSIDE NBL 106+71.970 TO 118+39.315 | 582 | 0 | 0 | 0 | 0 | 582 |
| -L- OUTSIDE NBL 119+88.495 TO 124+00.000 | 205 | 0 | 0 | 0 | 0 | 205 |
| SUB-TOTAL | 5,053 | 0 | 0 | 0 | 0 | 5,053 |
| PROJECT SUB-TOTALS | 261,932 | 584 | 8,698 | 321,691 | 151,811 | 100,750 |
| EST. LOSS DUE TO CL & GRUBB | -50,000 | | | | 50,000 | |
| USE SUITABLE EARTH IN LIEU OF BORROW | | | | | -53,465 | -53,465 |
| ESTIMATED SHOULDER MATERIAL | | | | +22,800 | +22,800 | |
| ESTIMATED UNDERCUT | | | 8,500 | 10,200 | 10,200 | 8,500 |
| PROJECT SUB-TOTALS | 211,932 | 584 | 17,198 | 354,691 | 181,346 | 55,785 |
| EST. 5% TO REPLACE TOPSOIL ON BORROW PIT | | | | | 9,067 | |
| PROJECT SUBTOTAL | 211,932 | | 17,198 | 354,691 | 190,413 | 55,785 |
| GRAND TOTALS | 211,932 | | 17,198 | 354,691 | 190,413 | 55,785 |
| SAY | 212,000 | | 17,198 | | 190,500 | |
| ESTIMATED DDE | 1,466 | | | | | |

-L- PAVEMENT STRUCTURE VOLUME (SBL) = 55,766 m³

5/10/99

18-AUG-2004 10:01 AM
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