| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| B-6046 | 3B-1 |

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

# SUMMARY OF QUANTITIES

## SUMMARY OF EARTHWORK IN CUBIC YARDS

| LOCATION | UNCLASSIFIED EXCAVATION | UNDERCUT | EMBT +% | BORROW | WASTE |
|---|---|---|---|---|---|
| –L– STA 13+50 TO 16+29.26 (BEGIN BRIDGE) | 431 | 0 | 1,398 | 967 | — |
| –L– STA 19+01.89 (END BRIDGE) TO 22+50 | 289 | 0 | 1178 | 889 | — |
| –Y– STA 10+00 TO 12+00 | 82 | 0 | 802 | 720 | — |
| | | | | | |
| SUBTOTAL | 802 | 0 | 3378 | 2576 | — |
| | | | | | |
| | | | | | |
| MATERIAL FOR SHOULDER CONSTRUCTION | — | | 12 | 12 | |
| LOSS DUE TO CLEARING AND GRUBBING | | | | — | |
| ADDITIONAL UNDERCUT | | 200 | | | |
| ROCK WASTE TO REPLACE BORROW | — | | | | |
| ADJUST FOR ROACK WASTE | — | | | | |
| WASTE IN LIEU OF BORROW | | | | | — |
| | | | | | |
| PROJECT TOTAL | 802 | 200 | 3390 | 2588 | — |
| | | | | | |
| EST. 5% TO REPL. TOP SOIL ON BORROW PIT | | | | 129 | |
| | | | | | |
| GRAND TOTAL | 802 | 200 | 3390 | 2717 | — |
| SAY | 805 | | | 2720 | |

Earthwork quantities are calculated by the Roadway Designer. These earthwork quantities are based in part on subsurface data provided by the Geotechnical Engineer.

NOTE: Approximate quantities only, unclassified excavation, borrow excavation, fine grading, clearing and grubbing, and removal of existing pavement will be paid for at the contract lump sum price for grading.

## SHOULDER BERM GUTTER SUMMARY

| LINE | BEG. STA. | END STA. | LENGTH (FT) |
|---|---|---|---|
| –L– /–Y– | –L– 19+12.76 | –Y– 11+51.34 | 130.14 |
| | | | |
| | | TOTAL | 130.14 |
| | | | |
| | | SAY | 131 |

## PAVEMENT REMOVAL SUMMARY

| LINE | BEG. STA. | END STA. | LOCATION (LT/RT) | ASPHALT REMOVAL | |
|---|---|---|---|---|---|
| –L– | 15+50 | 16+40 | LT & RT | 123 | |
| –L– | 18+93 | 21+00 | LT & RT | 422 | |
| –Y– | 11+00 | 11+95 | RT | 298 | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | TOTAL | 842 SY | |
| | | | | | |
| | | | SAY | 850 SY | |

## GUARDRAIL SUMMARY

| SURVEY LINE | BEG. STA. | END STA. | LOCATION | LENGTH | | | WARRANT POINT | | "N" DIST. FROM E.O.L. | TOTAL SHOUL. WIDTH | FLARE LENGTH | | W | | ANCHORS | | | | | | | | IMPACT ATTENUATOR TYPE 350 | | | SINGLE FACED CONCRETE BARRIER | REMOVE EXISTING GUARDRAIL | REMOVE AND STOCKPILE EXISTING GUARDRAIL | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | STRAIGHT | SHOP CURVED | DOUBLE FACED | APPROACH END | TRAILING END | | | APPROACH END | TRAILING END | APPROACH END | TRAILING END | XI MOD | XI | GREU TL–2 | GREU TL–3 | TYPE III | CAT–1 | VI MOD | BIC | AT–1 | EA | G | NG | | | | |
| –L– | 13+29.26 | 16+29.26 | RT | 300.00 | | | 16+29.26 | | 4.5 | 7.5 | | | | | | | | 1 | 1 | | | | | | | | | | | |
| –L– | 15+54.26 | 16+29.26 | LT | 75.00 | | | | 16+29.26 | 4.5 | 7.5 | | | | | | | | 1 | 1 | | | | | | | | | | | |
| –L– | 19+01.89 | 22+01.89 | RT | 300.00 | | | | 19+01.89 | 4.5 | 7.5 | | | | | | | | 1 | 1 | | | | | | | | | | | |
| –L– | 19+01.89 | | LT | 66.14 | | | 19+01.89 | | 4.5 | 7.5 | | | | | | | | | 1 | | | | | | | | | | | |
| –Y– | | 11+96.30 | RT | 100.00 | 73.17 | | | | 4.5 | 7.5 | | | | | | | | 1 | | | | | | | | | | | | |
| | | | TOTAL | 841.14 | 73.17 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | ANCHOR DEDUCTIONS | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | TYPE III | @18.75' | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | GREU TL–3 | @50.00' | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | TOTAL | 566.14 | 73.17 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | SAY | 575 | 75 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | ADDITIONAL POSTS | | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | |

"N" = DISTANCE FROM EDGE OF LANE TO FACE OF GUARDRAIL.
TOTAL SHOULDER WIDTH = DISTANCE FROM EDGE OF TRAVEL LANE TO SHOULDER BREAK POINT.
FLARE LENGTH = DISTANCE FROM LAST SECTION OF PARALLEL GUARDRAIL TO END OF GUARDRAIL.
W = TOTAL WIDTH OF FLARE FROM BEGINNING OF TAPER TO END OF GUARDRAIL.
G = GATING IMPACT ATTENUATOR TYPE 350
NG = NON-GATING IMPACT ATTENUATOR TYPE 350

5/28/99
5:29:23 PM R:\Projects\19-55.01.SMU_B-6046_SR1917_over_Long_Creek\NCDOT\Roadway\Proj\Plansheets\B-6046 summary sheet.dgn
5:29:23 PM brian.lusk