| | B-4440 |
|--|--------|
| | B-4440 |

STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

SUMMARY OF EARTHWORK

"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

| Station | Station | Uncl. Excav. | Embank. +% | Borrow | Waste | |
|-------------------------|-------------------|-----------------|---------------|--------|-------|---|
| 15+80.00 | 18+46.67 | 59 | 635 | 576 | 0 | |
| 19+34.05 | 21+75.00 | 573 | 353 | 0 | 220 | |
| | | | | | | - |
| | | | | | | |
| | | | | | | |
| SUBTOTALS: | | 632 | 988 | 576 | 220 | |
| WASTE IN LIEU (| DF BORROW | | | -220 | -220 | - - - |
| | | | | | | 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. |
| PROJECT TOTALS: | | 632 | 988 | 356 | 0 | |
| EST.5% TO REPLACE TOP S | OIL ON BORROW PIT | | | 18 | | |
| | | | | | | |
| | | | | | | 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. |
| GRAND TO | TALS: | 632 | 988 | 374 | 0 | |
| SAY | - | 650 | | 400 | |] |

PAVEMENT REMOVAL SUMMARY

IN SQUARE YARDS

| SURVEY LINE | Station Station | | LOCATION LT/RT/CL | ASPHALT REMOVAL | ASPHALT BREAKUP | CONCRETE REMOVAL | CONCRETE BREAKUP |
|----------------|-----------------|--------|----------------------|--------------------|--------------------|---------------------|---------------------|
| -L- | 17+50 | 18+65 | CL | 351.86 | | | |
| -L- | 19+06 | 19+89 | CL | 222.54 | | | |
| | | | | | | | |
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| | | _ | | | | | |
| | | TOTAL: | | 574.4 | | | |
| | | | | | | | |
| | | SAY: | | 580 | | | |

SHOUILDER BERM GUITTER SUMMARY

| LINE | Station | Station | LENGTH |
|--------|----------|----------|--------|
| -L- LT | 19+44.93 | 19+84.05 | 39.12 |
| -L- RT | 19+44.93 | 19+84.05 | 39.12 |
| | | | |
| | | | |
| | | | |
| | | | |
| | | TOTAL: | 78.24 |
| | | 101742. | 70.24 |
| | | SAY: | 82 |

GUARDRAIL SUMMARY

G = GATING IMPACT ATTENUATOR TYPE 350 NG = NON-GATING IMPACT ATTENUATOR TYPE 350

| SURVEY | BEG. STA. | END STA. | LOCATION | ATION | | | | WARRANT POINT | | TOTAL SHOUL | HOUL | | | | | | | | A | IMPACT ATTENUATO TYPE 350 | FACED | REMOVE EXISTING | REMOVE & STOCKPILE REMARKS | REMARKS | | | |
|--------|-----------|-------------------|-----------------|-------------|--------|--------|----------|---------------|--------|----------------|----------|-----|-----|----------|-----|----|-----------|------|----------|---------------------------------|-------|--------------------|----------------------------|-----------|-----------------|-----------|--|
| LINE | | | | | SHOP | DOUBLE | APPROACH | TRAILING | FROM | WIDTH | APPROACH | | | TRAILING | XI | | GRAU | | | VI | | | G NO | CONCRETE | GUARDRAIL | EXISTING | |
| | | | | STRAIGHT | CURVED | FACED | END | END | E.O.L. | | END | END | END | END | MOD | ΧI | 350 M-350 | XIII | TYPE III | MOD | BIC | | G | G BARRIER | 007.11.21.21.11 | GUARDRAIL | |
| -L- | 1777.92 | 1846.67 | LT. | 68.75 | | | | 18+46.67 | 10'9" | 11 | _ | 50 | | | 1 | | 1 | | 1 | | | | | | | | |
| -L- | 1777.92 | 1846.67 | RT. | 68.75 | | | 18+46.67 | | 10'9" | 11 | . 50 | | 1 | | | | 1 | | 1 | | | | | | | | |
| -L- | 1934.05 | 2034.05 | LT. | 100 | | | 19+34.05 | | 10'9" | 11 | . 50 | | 1 | | | | 1 | | 1 | | | | | | | | |
| -L- | 1934.05 | 2034.05 | RT. | 100 | | | | 19+34.05 | 10'9" | 11 | | 50 | | | 1 | | 1 | | 1 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | SUBTOTAL: | 337.5 | | | | | | | | | | | | | 4 | | 4 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | ANCHORS DEDU | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | GRAU 350 4 @ 5 | 0.00 | 200 | | | | | | | | | | | | | | | | | | | | | | | |
| | | TYPE III 4 @ 18.7 | | /5 | | | | | | | | | | | | | | | | | | | | | | | |
| | | | SUBTOTAL: | 2/5 | | | | | | | | | | | | | | | | | | | | | | | |
| | | | TOTAL | 60.5 | | | | | | | | | | | | | | | | | | | | | | | |
| | | | TOTAL: | 62.5 | | | | | | | | | | | | | | | | | | | | | | | |
| | | | SAY· | 75 | | | | | | | | - | | | | | | | | | | | | | | | |
| | | | SAT | /5 | | | | | | | | - | | | | | | | + | | | | | | | | |
| | | A DOITION A | I CHADDDAIL DOC | TC F FACIL | | | | | | | | | | | | | | | | | | | | | | | |
| | | ADDITIONA | L GUARDRAIL POS | 15 = 5 EACH | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |