| COMPUTED BY: | BAW | DATE: | 9–22–2025 | |
|--------------|-----|-------|-----------|--|
| CHECKED BY: | ABP | DATE: | 9–22–2025 | |

STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

| BR-I | 0155 |
|-----------|---|
| 4RD1 | 3B-1 |
| | CAROLINA FRANSPORTATION AM COUNTY |
| F. S. A. | |
| ROADWAY D | ESIGN UNIT |

GANNETT One Glerwood Avenue
Suite 900
FLEMING STEELING
FL

SUMMARY OF EARTHWORK

| STATION | STATION | UNCL. EXCAV. (CY) | EMBANK. +% (CY) | BORROW (CY) | WASTE (CY) | |
|-------------------------------|---------------------------------|--------------------------------|-----------------------|----------------|---------------|--|
| -L- STA. 10+80.00 | -L- STA. 14+40 ± (BEGIN BRIDGE) | 4+40 ± (BEGIN BRIDGE) 255 1542 | | | | |
| | | | | | | |
| SUBT | OTALS: | 255 | 1542 | 1287 | | |
| -L- STA. 16+40 ± (END BRIDGE) | -L- STA. 20+30.00 | 258 | 1,621 | 1363 | | |
| | | | | | | |
| SUBT | OTALS: | 258 | 1,621 | 1363 | | |
| ТО | 513 | 3163 | 2650 | | | |
| LOSS DUE TO CLEA | -50 | | 50 | | | |
| MATERIAL FOR SHOU | LDER CONSTRUCTION | | 312 | 312 | | |
| PROJEC | T TOTALS: | 463 | 3475 | 3012 | | |
| EST. 5% TO REPLACE TO | OP SOIL ON BORROW PIT | | | 151 | | |
| GRAND | TOTALS: | 463 | 3475 | 3163 | | |
| | | | | | | |
| | AY: | 470 | | 3200 | | |

NOTE: APPROXIMATE QUANTITIES ONLY. UNCLASSIFIED EXCAVATION, BORROW EXCAVATION, FINE GRADING, CLEARING AND GRUBBING, REMOVAL OF EXISTING PAVEMENT WILL BE PAID FOR AT THE CONTRACT LUMP SUM PRICE FOR GRADING

NOTE: EARTHWORK QUANTITIES ARE CALCULATED BY THE ROADWAY DESIGNER. THESE EARTHWORK QUANTITIES ARE BASED IN PART ON SUBSURFACE DATA PROVIDED BY THE GEOTECHNICAL ENGINEERING UNIT.

SHOULDER BERM GUTTER SUMMARY

| SURVEY LINE | STATION | STAT | ION | LENGTH (LF) | |
|----------------|----------|-------------------|--------|----------------|--|
| -L- (LT) | 13+98.00 | 14+48 | 3.19 | 50.2 | |
| -L- (RT) | 13+83.00 | 13+83.00 14+32.77 | | | |
| -L- (LT) | 16+48.19 | 16+85 | 5.00 | 36.8 | |
| -L- (RT) | 16+32.77 | 16+70 | 0.00 | 37.2 | |
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| | | | TOTAL: | 174 | |
| | | | SAY: | 175 | |

PAVEMENT REMOVAL SUMMARY

| SURVEY LINE | STATION | STATION | LOCATION LT/ RT/ CL | AREA (YD²) |
|----------------|----------------------|----------------------|------------------------|---------------|
| -L- | 13+86.34 | 14+55.29(EX. BRIDGE) | CL | 7.66 |
| -L- | 16+25.96(EX. BRIDGE) | 16+93.26 | CL | 7.48 |
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| | | | TOTAL: | 15.14 |
| | | | SAY: | 20 |

"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

GUARDRAIL SUMMARY

| NG = NON- | SATING IMPACT ATT | ENUATOR TYPE 350 | | | | | | | | | | | V (IL (| | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | | | | | | | | |
|-----------|-------------------|------------------|--------------------|----------|----------------|-----------------|-----------------|-----------------|----------------|-----------------|-----------------|-----------------|-----------------|-------------------|---------------------------------------|--------------|----|-------|---------|--------------|---------------------------------|------------------------------|---------------------------|
| SURVEY | JRVEY DEC. 274 | | | | LENGTH | | WARRA | ANT POINT | "N" DIST. | TOTAL | FLARE | LENGTH | | W | | | | А | ANCHORS | | IMPACT ATTENUATO TYPE 350 | R SINGLE REMOVE AND | |
| LINE | BEG. STA. | END STA. | LOCATION | STRAIGHT | SHOP CURVED | DOUBLE FACED | APPROACH END | TRAILING END | FROM E.O.L. | SHOUL. WIDTH | APPROACH END | TRAILING END | APPROACI END | H TRAILING END | B-77 | GREU TL-3 | ΧI | M-350 | XIII | CAT-1 VI BIO | | GUARDRAIL GUARDRAIL CHARDRAI | REMARKS |
| -L- | 10+80.00 | 14+48.19 | LT | 372.875 | | | | 14+48.19 | 10 | 13 | | | | | 1 | | | | | | | | TIE TO EXISTING GUARDRAIL |
| -L- | 10+80.00 | 14+32.77 | RT | 360.375 | | | 14+32.77 | | 8-10 | 11-13 | | | | | 1 | | | | | | | | TIE TO EXISTING GUARDRAIL |
| -L- | 16+48.19 | 19+58.49 | LT | 310.375 | | | 16+48.19 | | 10 | 13 | | | | | 1 | 1 | | | | | | | |
| -L- | 16+32.77 | 20+30.00 | RT | 397.875 | | | | 16+32.77 | 8-10 | 11-13 | | | | | 1 | | | | | | | | TIE TO EXISTING GUARDRAIL |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | | | SUBTOTAL: | 1441.50 | | | | | | | | | | | 4 | 1 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | | ANCHOR UN | IT DEDUCTIONS | | | | | | | | | | | | | | | | | | | | |
| | | B-77 | 4 @ 22.875' EACH | -91.50 | | | | | | | | | | | | | | | | | | | |
| | | GREU TL-3 | 1 @ 50' EACH | -50 | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | | | TOTALS: | 1300 | | | | | | | | | | | 4 | 1 | | | | | | | |
| | | | SAY: | 1300 | | | | | | | | | | | 4 | 1 | | | | | | | |
| | | ADDITIONAL GUA | ARDRAIL POSTS (EA) | 10 | | | | | | | | | | | | | | | | | | | |
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