

12/06/07

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| COMPUTED BY: KTB | DATE: 09/10/2025 |
| CHECKED BY: JCL  | DATE: 09/17/2025 |

STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

|                                                                                                                                                                                                      |           |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| PROJECT REFERENCE NO.                                                                                                                                                                                | SHEET NO. |
| B-5929                                                                                                                                                                                               | 3B-1      |
|  Johnson, Mirmiran, & Thompson Inc.<br>108 Asheville Commerce Parkway,<br>Candler, NC, 28715<br>License No: C-3097 |           |

SUMMARY OF QUANTITIES

SUMMARY OF EARTHWORK

| LOCATION                               | UNCLASSIFIED EXCAVATION | EMBT + % | BORROW | WASTE |
|----------------------------------------|-------------------------|----------|--------|-------|
| -L- 11+35.00 TO 13+11.96 (BEG. BRIDGE) | 178                     | 35       | 0      | 143   |
| SUBTOTAL                               | 178                     | 35       | 0      | 143   |
|                                        |                         |          |        |       |
| -L- 13+79.56 (END BRIDGE) TO 17+15.00  | 267                     | 24       | 0      | 243   |
| SUBTOTAL                               | 267                     | 24       | 0      | 243   |
|                                        |                         |          |        |       |
|                                        |                         |          |        |       |
| TOTAL                                  | 445                     | 59       | 0      | 386   |
|                                        |                         |          |        |       |
| MATERIAL FOR SHOULDER CONSTRUCTION     |                         |          |        |       |
| LOSS DUE TO CLEARING & GRUBBING        |                         |          |        |       |
| ADDITIONAL UNDERCUT                    |                         |          |        |       |
| ROCK WASTE TO REPLACE BORROW           |                         |          |        |       |
| ADJUST FOR ROCK WASTE                  |                         |          |        |       |
| WASTE IN LIEU OF BORROW                |                         |          |        |       |
|                                        |                         |          |        |       |
| PROJECT TOTAL                          | 445                     | 59       | 0      | 386   |
|                                        |                         |          |        |       |
|                                        |                         |          |        |       |
|                                        |                         |          |        |       |
| GRAND TOTAL                            | 445                     |          | 0      | 386   |
| SAY                                    | 450                     |          |        |       |
|                                        |                         |          |        |       |

CONTINGENCY ITEMS:  
UNDERCUT EXCAVATION = 225 CY  
SELECT GRANULAR MATERIAL = 200 CY  
GEOTEXTILE FOR SOIL STABILIZATION = 200 SY  
SHALLOW UNDERCUT EXCAV = 50 CY  
CL IV SUBGRADE STABILIZATION = 100 TONS  
GEOTEXTILE FOR SUBGRADE STABILIZATION=150 SY

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

Earthwork quantities are calculated by JMT Engineering. These earthwork quantities are based in part on subsurface data provided by the Geotechnical Engineering Unit.

DRAINAGE DITCH EXCAVATION SUMMARY

| SURVEY LINE | STATION | STATION | LOCATION LT/RT/CL | CU YD |
|-------------|---------|---------|-------------------|-------|
| -L-         | 13+38   | 13+95   | RT                | 25    |
|             |         |         |                   |       |
|             |         |         | TOTAL:            | 25    |
|             |         |         | SAY:              | 25    |

2'-6" CURB & GUTTER SUMMARY

| SURVEY LINE | STATION  | STATION  | LOCATION | LENGTH |
|-------------|----------|----------|----------|--------|
| -L-         | 11+80.00 | 12+94.00 | RT       | 114'   |
| -L-         | 13+83.00 | 17+15.00 | RT       | 332'   |
|             |          |          |          |        |
|             |          |          | TOTAL:   | 446'   |
|             |          |          | SAY:     | 450'   |

SUMMARY OF EXISTING ASPHALT PAVEMENT REMOVAL

| SURVEY LINE | STATION | STATION | LOCATION LT/RT/CL | SY       |
|-------------|---------|---------|-------------------|----------|
| -L-         | 11+35   | 13+33   | CL                | 332.02   |
| -L-         | 13+74   | 17+15   | CL                | 763.64   |
|             |         |         |                   |          |
|             |         |         | TOTAL:            | 1,095.66 |
|             |         |         | SAY:              | 1,100    |

4" CONCRETE SIDEWALK

| SURVEY LINE | STATION  | STATION  | LOCATION | LENGTH | WIDTH  | SY     |
|-------------|----------|----------|----------|--------|--------|--------|
| -L-         | 11+71.87 | 12+94.04 | RT       | 122.17 | 5      | 67.87  |
| -L-         | 13+80.16 | 16+93.50 | RT       | 313.34 | 5      | 170.5  |
|             |          |          |          |        |        |        |
|             |          |          |          |        | TOTAL: | 238.34 |
|             |          |          |          |        | SAY:   | 240    |

6" CONCRETE DRIVEWAY

| SURVEY LINE | STATION | LOCATION                 | WIDTH  | SY     |
|-------------|---------|--------------------------|--------|--------|
| -L-         | 11+56   | RT                       | 40     | 24.306 |
| -L-         | 11+56   | Area behind 40' driveway |        | 42.000 |
|             |         |                          | TOTAL: | 66.306 |
|             |         |                          | SAY:   | 70     |

GUARDRAIL SUMMARY

"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

| SURVEY LINE | BEG. STA.              | END STA.            | LOCATION | LENGTH   |             |              | WARRANT POINT              |              | "N" DIST. FROM E.O.L. | TOTAL SHOULDER WIDTH | FLARE LENGTH |              | W            |              | ANCHORS |    |           |       |      |       |      |        |     |           | IMPACT ATTENUATOR TYPE 350 |    |  | SINGLE FACED CONCRETE BARRIER | REMOVE EXISTING GUARDRAIL | REMOVE 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 | M-350 | XIII | CAT-1 | AT-1 | VI MOD | III | PERMITTED |                            |    |  |                               |                           |                                     |         |
|             |                        |                     |          |          |             |              |                            |              |                       |                      |              |              |              |              |         |    |           |       |      |       |      |        |     | NO.       | G                          | NG |  |                               |                           |                                     |         |
| -L-         | 12 + 47.89             | 13 + 01.86          | RT       | 56.25'   |             |              |                            | 13 + 01.86   | 7.5'                  | 8.5'                 | 25'          |              | 0.5'         |              |         |    |           | 1     |      |       |      |        | 1   |           |                            |    |  |                               |                           |                                     |         |
| -L-         | 13 + 86.92             | 14 + 22.28          | LT       | 18.75'   | 19.25'      |              | 13 + 86.92                 |              | 3'                    | VAR.                 |              | 25'          | 0.5'         |              |         |    |           |       |      | 1     |      |        | 1   |           |                            |    |  |                               |                           |                                     |         |
| -L-         | 12 + 63.10             | 13 + 19.35          | LT       | 56.25'   |             |              | 12 + 63.10                 |              | 7.5'                  | 8.5'                 | 25'          |              | 0.5'         |              |         |    |           | 1     |      |       |      |        | 1   |           |                            |    |  |                               |                           |                                     |         |
| -L-         | 13 + 69.46             | 14 + 30.25          | RT       | 56.25'   |             |              |                            | 14 + 30.25   | 7.5'                  | 8.5'                 |              | 25'          | 0.5'         |              |         |    |           | 1     |      |       |      |        | 1   |           |                            |    |  |                               |                           |                                     |         |
| SUBTOTALS   |                        |                     |          | 187.50'  | 19.25'      |              |                            |              |                       |                      |              |              |              |              |         |    |           | 3     |      |       |      | 1      |     | 4         |                            |    |  |                               |                           |                                     |         |
|             | LESS ANCHOR DEDUCTIONS |                     |          |          |             |              |                            |              |                       |                      |              |              |              |              |         |    |           |       |      |       |      |        |     |           |                            |    |  |                               |                           |                                     |         |
|             |                        | GREU TL-2 3@25' =   |          | -75.00'  |             |              |                            |              |                       |                      |              |              |              |              |         |    |           |       |      |       |      |        |     |           |                            |    |  |                               |                           |                                     |         |
|             |                        | AT-1 1@6.75' =      |          |          | -6.75'      |              |                            |              |                       |                      |              |              |              |              |         |    |           |       |      |       |      |        |     |           |                            |    |  |                               |                           |                                     |         |
|             |                        | TYPE III 4@18.75' = |          | -75.00'  |             |              |                            |              |                       |                      |              |              |              |              |         |    |           |       |      |       |      |        |     |           |                            |    |  |                               |                           |                                     |         |
|             |                        |                     |          |          |             |              |                            |              |                       |                      |              |              |              |              |         |    |           |       |      |       |      |        |     |           |                            |    |  |                               |                           |                                     |         |
|             |                        |                     | TOTAL    | 37.5'    | 12.5'       |              |                            |              |                       |                      |              |              |              |              |         |    |           | 3     |      |       |      | 1      |     | 4         |                            |    |  |                               |                           |                                     |         |
|             |                        |                     | SAY      | 75.0'    | 25'         |              | ADDITIONAL GUARDRAIL POSTS |              | 5 EA                  |                      |              |              |              |              |         |    |           | 3     |      |       |      | 1      |     | 4         |                            |    |  |                               |                           |                                     |         |

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