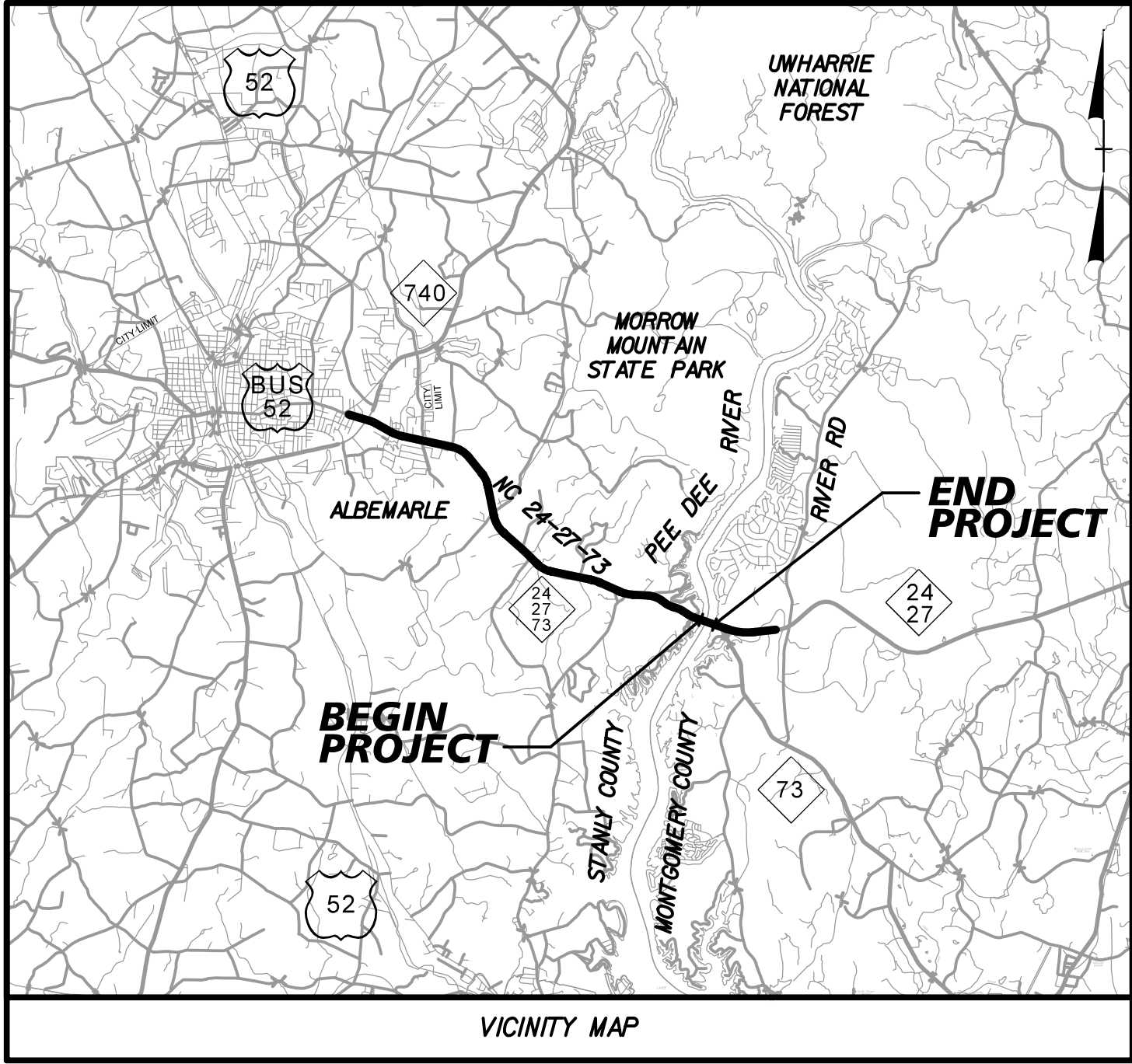


CONTRACT: C204259 TIP PROJECT: 15BPR.43/B-4974

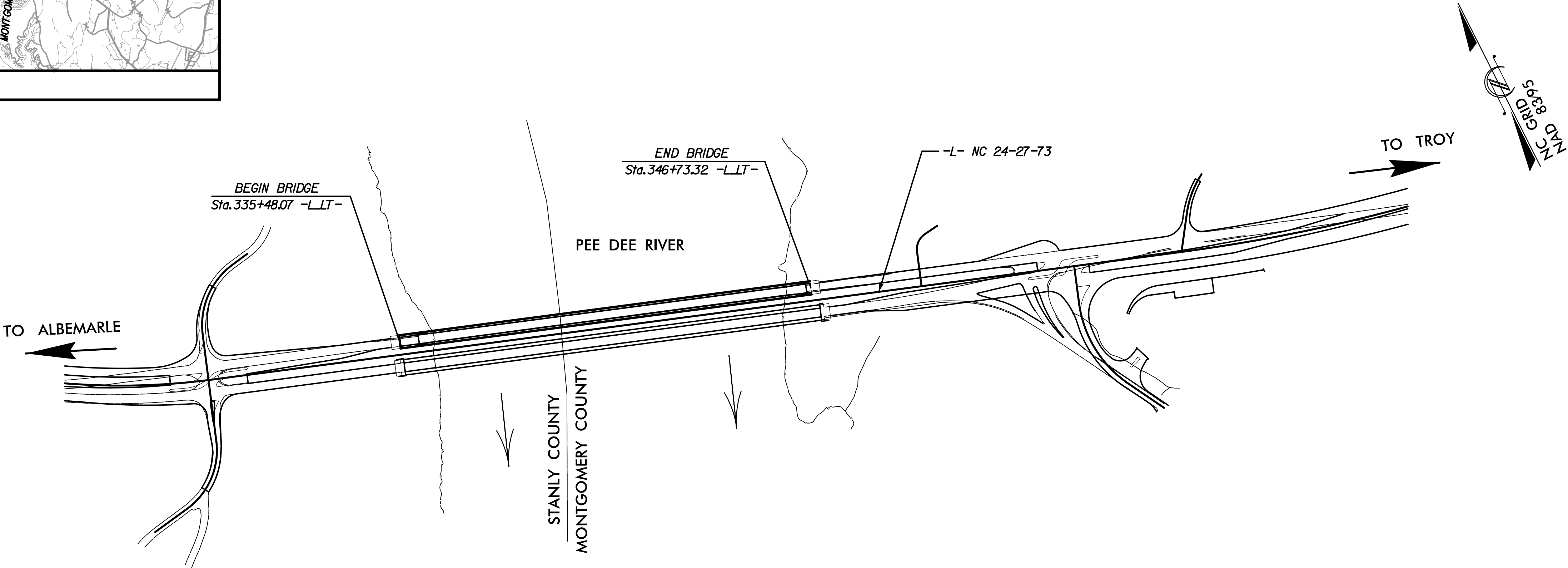


STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

STANLY & MONTGOMERY COUNTIES

LOCATION: NC 24-27 OVER THE PEE DEE RIVER

TYPE OF WORK: GRADING, DRAINAGE, PAVING, SIGNING, SIGNALS, AND STRUCTURES



STRUCTURE

DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

| DESIGN DATA                |           |
|----------------------------|-----------|
| AADT 2019 =                | 16,400    |
| AADT 2039 =                | 21,500    |
| K =                        | 9%        |
| D =                        | 55%       |
| T =                        | 10%*      |
| V =                        | 50/60 MPH |
| * (TTST 4% + DUAL 6%)      |           |
| FUNCTIONAL CLASSIFICATION: |           |
| URBAN/RURAL ARTERIAL       |           |
| REGIONAL TIER              |           |

| PROJECT LENGTH                                 |             |
|------------------------------------------------|-------------|
| LENGTH ROADWAY TIP PROJECT R-2530B /B-4974 =   | 6.932 MILES |
| LENGTH STRUCTURE TIP PROJECT R-2530B /B-4974 = | 0.201 MILES |
| TOTAL LENGTH TIP PROJECT R-2530B /B-4974 =     | 7.133 MILES |

Prepared in the Office of:

**AECOM**

NC FIRM LICENSE No: F-0342  
701 Corporate Center Drive, Suite 475  
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(919) 854-6200 - (919) 854-6259 (FAX)

Prepared For:

**DIVISION OF HIGHWAYS**

1000 Birch Ridge Dr., Raleigh NC, 27610

2018 STANDARD SPECIFICATIONS

LETTING DATE:  
NOV 20, 2018

JOHN SLOAN, PE  
PROJECT ENGINEER

STRUCTURAL ENGINEER

JOHN SLOAN, PE  
SIGNATURE:

