

TIP PROJECT: R-3825B

CONTRACT: C204108

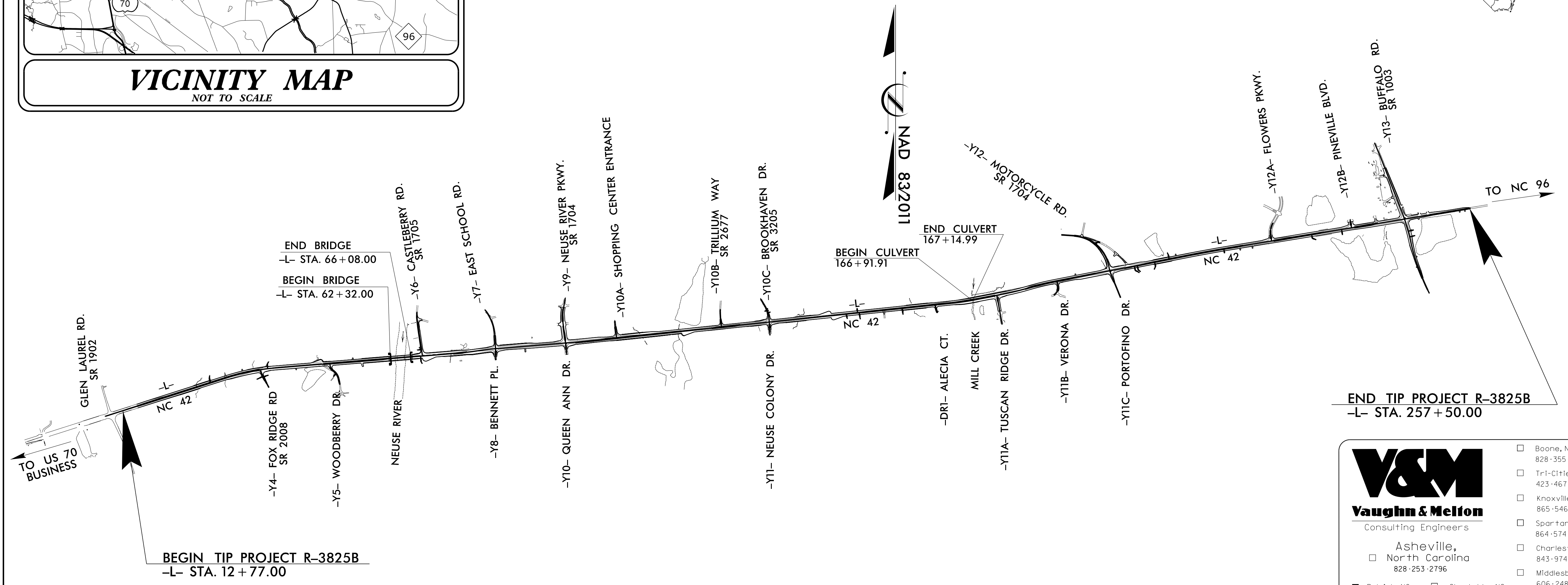
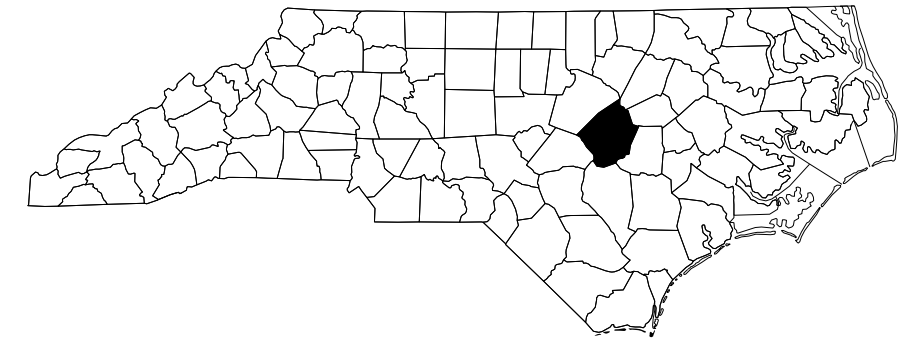
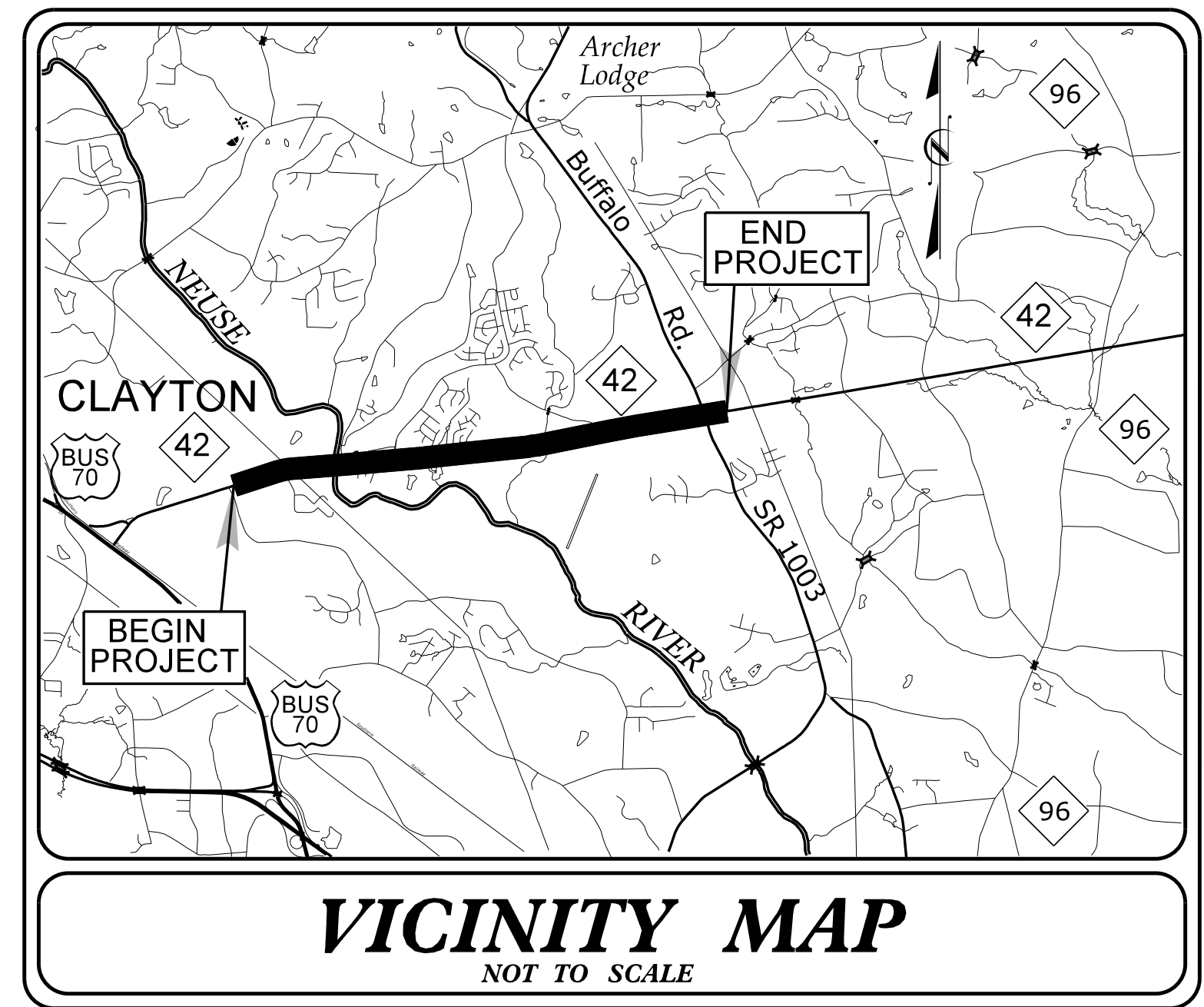
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

JOHNSTON COUNTY

**LOCATION: NC 42 FROM SR 1902 (GLEN LAUREL RD)
TO SR 1003 (BUFFALO RD)**

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

| STATE | STATE PROJECT REFERENCE NO. | SHEET NO. | TOTAL SHEETS |
|-----------------|-----------------------------|-------------|--------------|
| N.C. | R-3825B | | |
| STATE PROJ. NO. | F.A. PROJ. NO. | DESCRIPTION | |
| 34552.1.FR3 | STP-0042(58) | P.E. | |
| 34552.2.4 | STP-0042(58) | RW | |
| 34552.2.5 | STP-0042(58) | UTL. | |
| 34552.3.5 | - | CONST. | |



STRUCTURE

DESIGN DATA

| | | |
|---|---|--------|
| ADT 2015 | = | 21,200 |
| ADT 2040 | = | 37,400 |
| K | = | 9% |
| D | = | 65% |
| T | = | 6% * |
| V | = | 60 MPH |
| * (TTST 4% + DUAL 1%) | | |
| FUNC. CLASS = RURAL MAJOR COLLECTOR REGIONAL TIER | | |

PROJECT LENGTH

| | | |
|--------------------------------------|---|-------------|
| LENGTH ROADWAY TIP PROJECT R-3825B | = | 4.559 MILES |
| LENGTH STRUCTURE TIP PROJECT R-3825B | = | 0.076 MILES |
| TOTAL LENGTH OF TIP PROJECT R-3825B | = | 4.635 MILES |

Prepared in the Office of:
VAUGHN & MELTON
3509 Haworth Drive
Raleigh, NC 27609
For the North Carolina Division of Highways

2018 STANDARD SPECIFICATIONS

LETTING DATE:
SEPTEMBER 18, 2018

HARDY WILLIS, P.E.
PROJECT ENGINEER

ALBERT OUTLAW, P.E.
PROJECT DESIGN ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

V&M
Vaughn & Melton
Consulting Engineers

Asheville, North Carolina
828-253-2796

Boone, NC 828-355-9933
 Tri-Cities, TN 423-467-8401
 Knoxville, TN 865-546-5800
 Spartanburg, SC 864-574-4775
 Charleston, SC 843-974-5650
 Middlesboro, KY 606-248-6600
 Raleigh, NC 919-977-9455
 Charlotte, NC 704-357-0488
 Atlanta, GA 770-627-3509

Copyright © 2006 Vaughn & Melton, Inc. All Rights Reserved