

9/20/2018

See Sheet 1A For Index of Sheets  
See Sheet 1B For Conventional Symbols

# STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

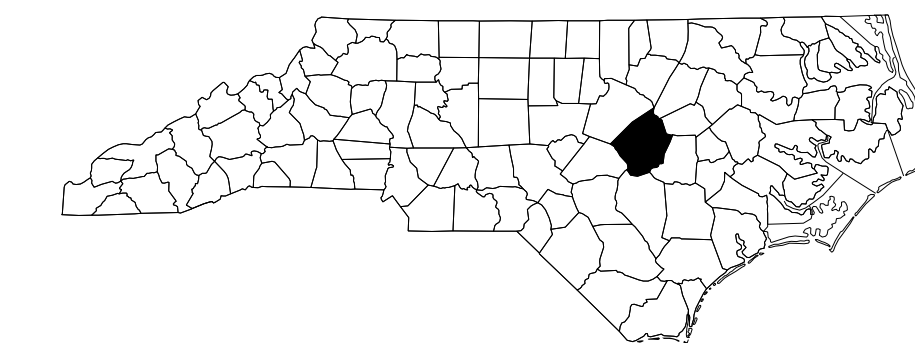
## JOHNSTON COUNTY

**LOCATION: NC 42 FROM EAST OF SR 1902 (GLEN LAUREL RD) TO SR 1003 (BUFFALO RD). WIDEN TO MULTI-LANES**

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

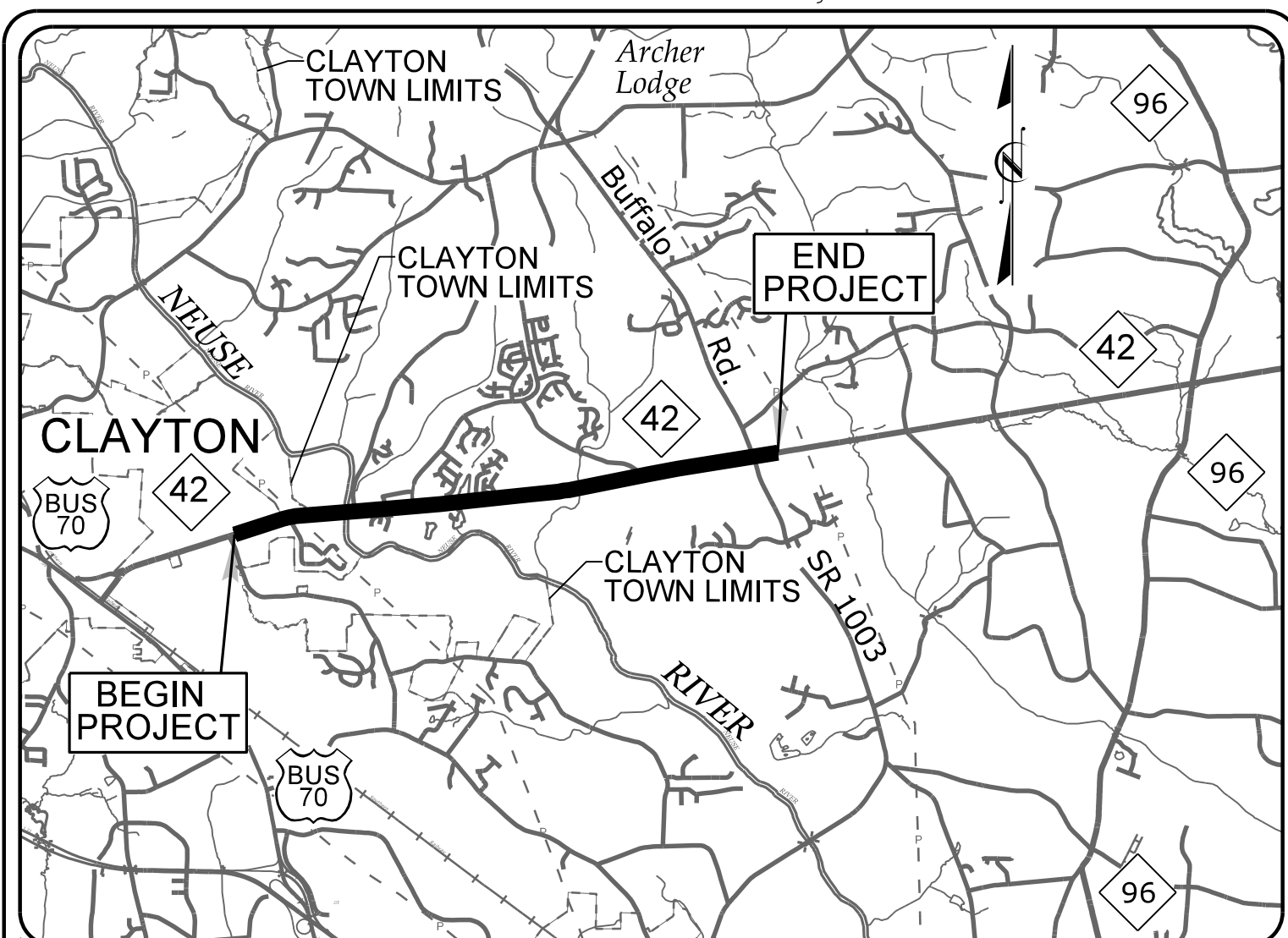
| STATE           | STATE PROJECT REFERENCE NO. | SHEET NO.   | TOTAL SHEETS |
|-----------------|-----------------------------|-------------|--------------|
| N.C.            | R-3825B                     | 1           |              |
| STATE PROJ. NO. | F.A. PROJ. NO.              | DESCRIPTION |              |
| 34552.1.FR3     | STP-0042(58)                | P.E.        |              |
| 34552.2.4       |                             | RW          |              |
| 34552.2.5       |                             | UTL.        |              |
| 34552.3.5       |                             | CONST.      |              |

**DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED**

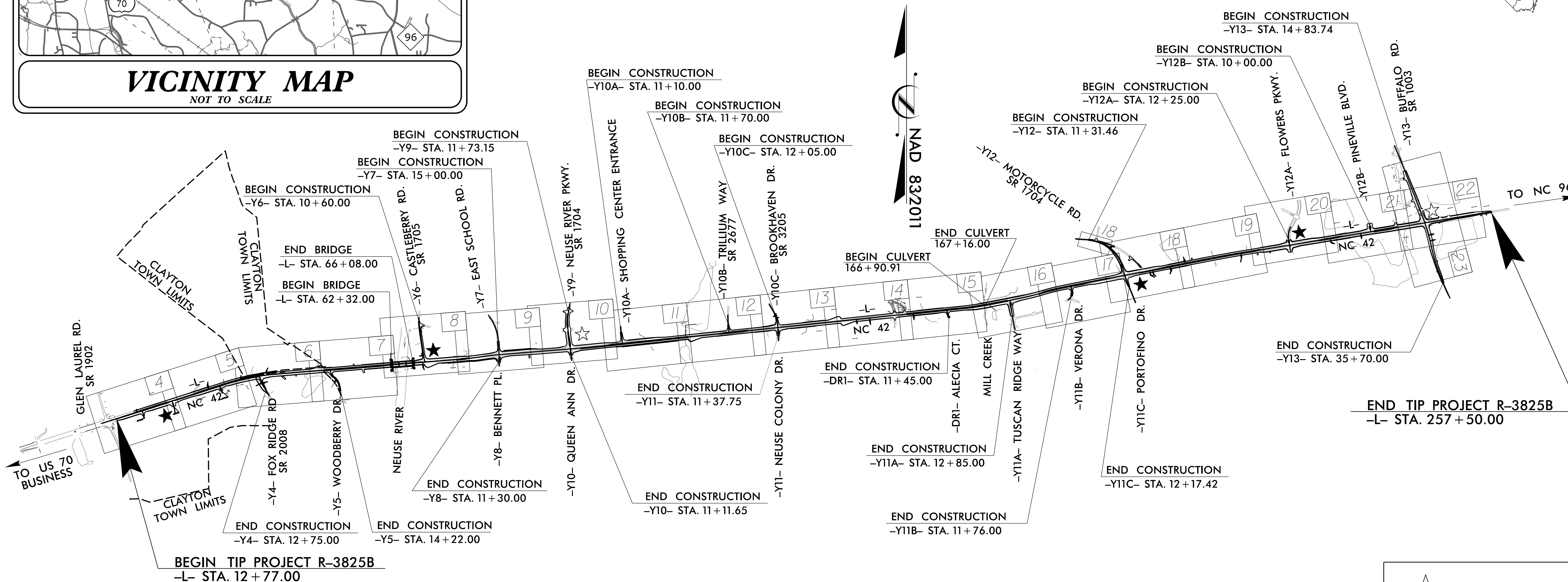


**TIP PROJECT: R-3825B**

**CONTRACT: C204108**



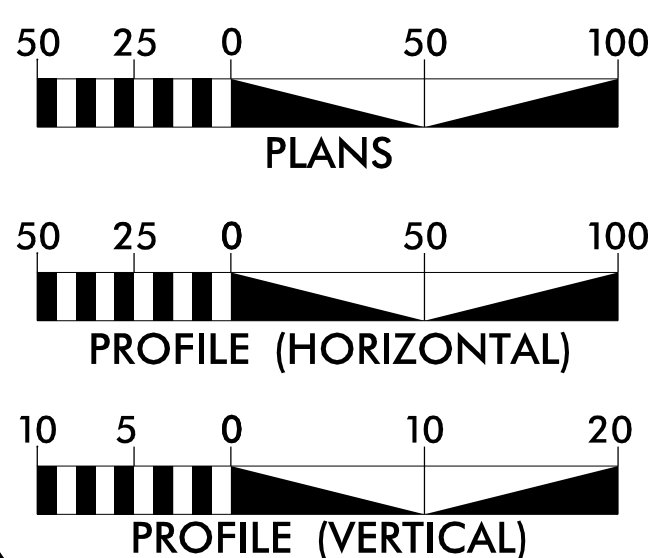
**VICINITY MAP**  
NOT TO SCALE



**THERE IS NO CONTROL OF ACCESS ON THIS PROJECT  
EXCEPT AS SHOWN ON PLANS**

☆ EXISTING SIGNAL  
★ PROPOSED SIGNAL

### GRAPHIC SCALES



### DESIGN DATA

ADT 2018 = 21,200  
 ADT 2040 = 37,400  
 K = 10%  
 D = 55%  
 T = 5% \*  
 V = 60 MPH  
 \* (TTST 1% + DUAL 4%)  
 FUNC. CLASS = RURAL  
 MAJOR COLLECTOR  
 REGIONAL TIER

### PROJECT LENGTH

LENGTH ROADWAY TIP PROJECT R-3825B = 4.564 MILES  
 LENGTH STRUCTURE TIP PROJECT R-3825B = 0.071 MILES  
 TOTAL LENGTH OF TIP PROJECT R-3825B = 4.635 MILES



Prepared by  
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 NC LICENSE # C-2243

2018 STANDARD SPECIFICATIONS  
**RIGHT OF WAY DATE:**  
 SEPTEMBER 8, 2016

**LETTING DATE:**  
 SEPTEMBER 18, 2018

**ED EDENS, P.E.**  
 PROJECT ENGINEER

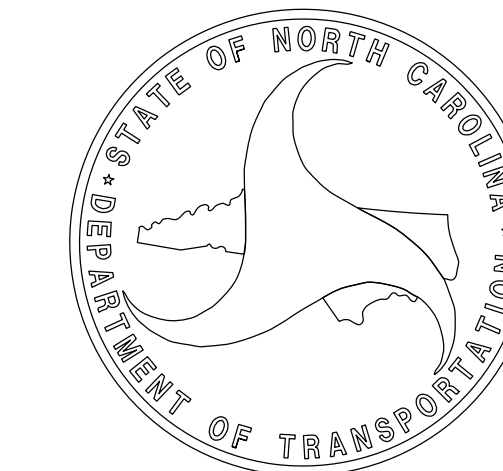
**KEVIN VAN METRE, P.E.**  
 PROJECT DESIGN ENGINEER

**GARY R. LOVERING, P.E.**  
 PROJECT ENGINEER  
 NCDOT ROADWAY DESIGN

### HYDRAULIC ENGINEER

Professional Engineer Seal for Mike Buscemi, License No. 037863, State of North Carolina. Signature: Mike Buscemi, P.E., dated 8/20/2018.

Professional Engineer Seal for Edward D. Buscemi, License No. 18470, State of North Carolina. Signature: Edward D. Buscemi, P.E., dated 8/20/2018.



8/20/2018  
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