

6/22/2022 A:\Projects\4019794\4019794\_000\50\_Deliverables & Submittals\B-5810\Structures\Finals\401\_000\_B5810\_SMU\_TSH\_I20022.dgn jartlsc.com

**TIP PROJECT: B-5810**

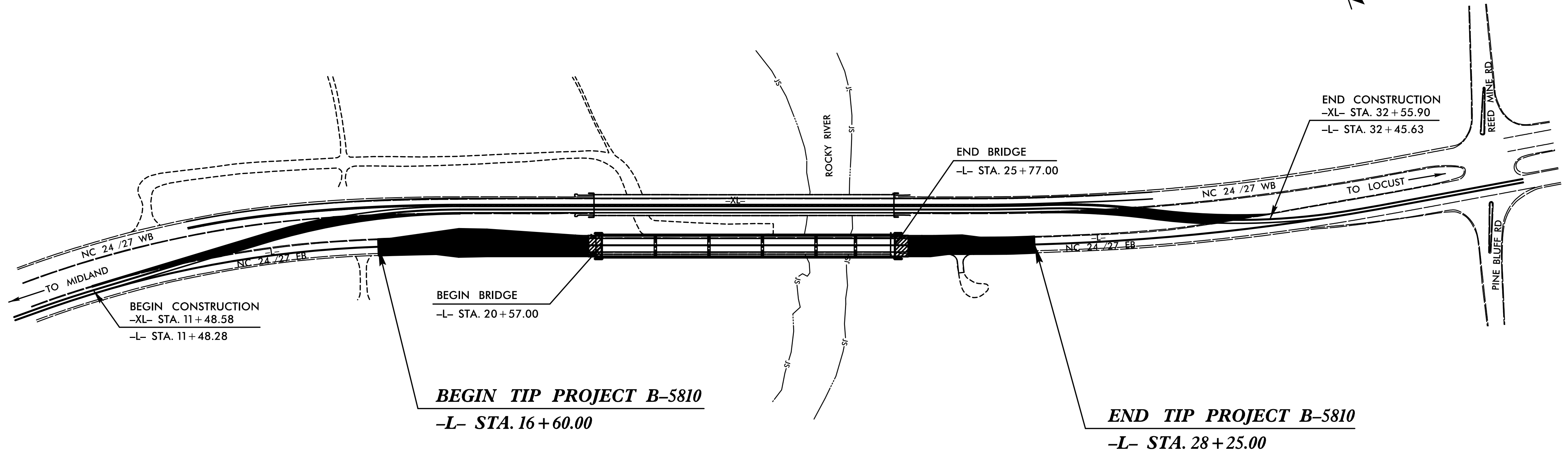
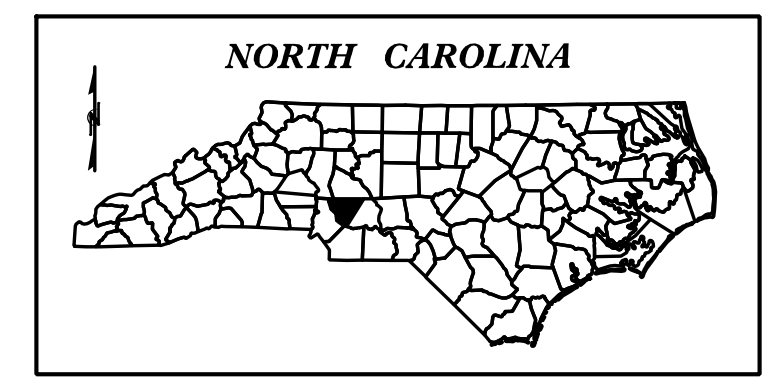
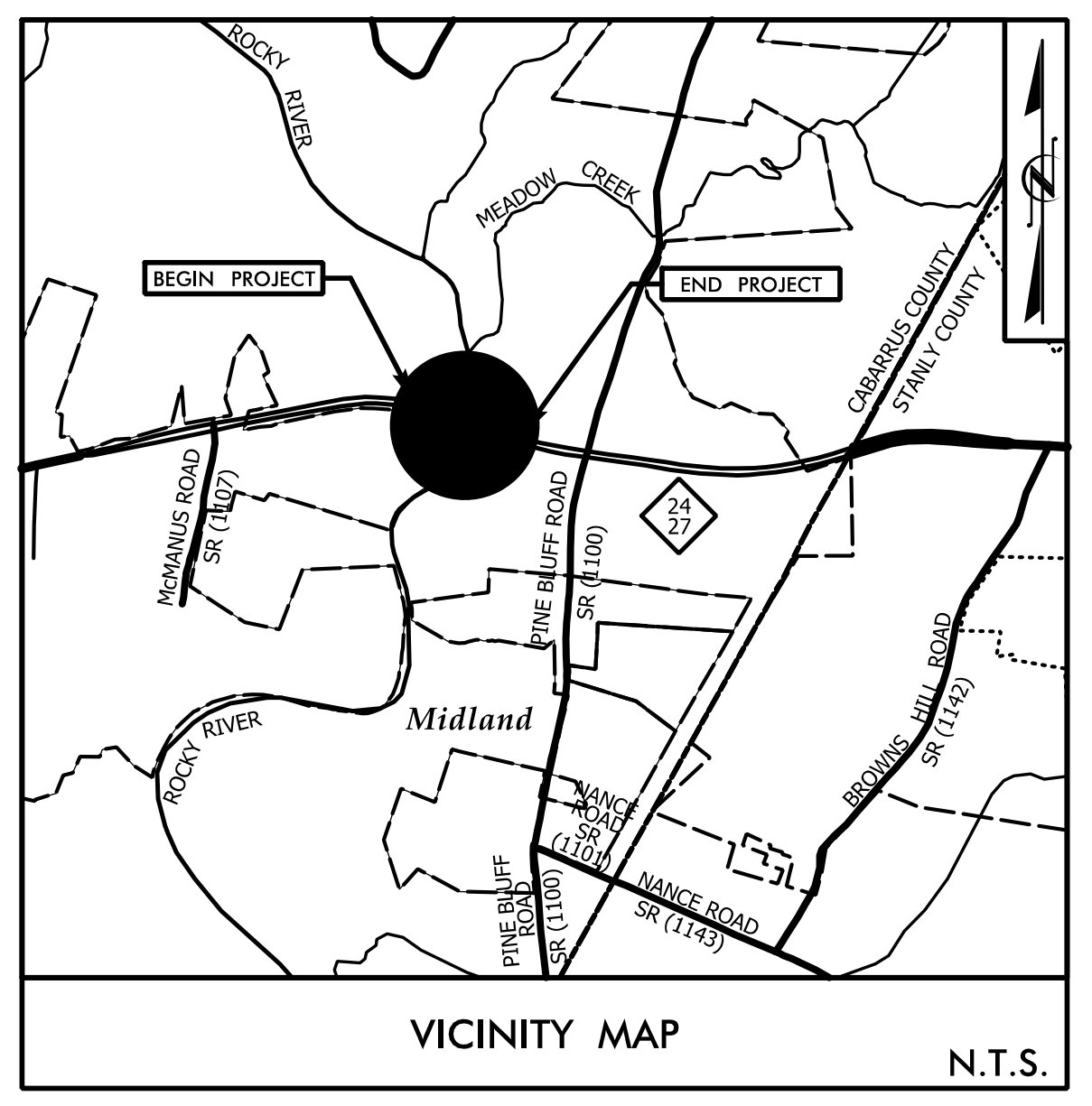
**CONTRACT: C204714**

STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

**CABARRUS COUNTY**

**LOCATION: BRIDGE #022 OVER ROCKY RIVER ON (EASTBOUND NC 24/27)**  
**TYPE OF WORK: GRADING, DRAINAGE, PAVING & STRUCTURE**

| STATE           | STATE PROJECT REFERENCE NO. | SHEET NO.       | TOTAL SHEETS |
|-----------------|-----------------------------|-----------------|--------------|
| N.C.            | B-5810                      | 1               |              |
| STATE PROJ. NO. | F.A. PROJ. NO.              | DESCRIPTION     |              |
| 45764.1.1       |                             | P.E.            |              |
| 45764.2.1       |                             | ROW & UTILITIES |              |
| 45764.3.1       |                             | CONSTRUCTION    |              |



**STRUCTURE**

DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

|  |   |  |  |  |
|--|---|--|--|--|
| <p><b>DESIGN DATA</b></p> <p>ADT 2016 = 10,000<br/>ADT 2040 = 13,300<br/>K = 9%<br/>D = 6.5%<br/>T = 14%*<br/>V = 60 MPH<br/>FUNC. CLASSIFICATION:<br/>MINOR ARTERIAL<br/>* (TTST 6% + DUALS 8%)</p> | <p><b>PROJECT LENGTH</b></p> <p>LENGTH OF ROADWAY TIP PROJECT B-5810 = 0.123 MILES<br/>LENGTH OF STRUCTURE TIP PROJECT B-5810 = 0.098 MILES<br/>TOTAL LENGTH OF TIP PROJECT B-5810 = 0.221 MILES</p> <p>NCDOT CONTACT: <u>ADAM COLE</u><br/>Structure Management Unit</p> | <p>PLANS PREPARED FOR THE NCDOT BY:</p> <p><b>STV</b> 100 Years<br/>STV Engineers, Inc.<br/>900 West Trade St., Suite 715<br/>Charlotte, NC 28202<br/>NC License Number F-0991</p> <p>2018 STANDARD SPECIFICATIONS</p> <p>RIGHT OF WAY DATE: <u>NICOLE M. HEPNER, PE</u><br/>JULY 15, 2019<br/>PROJECT ENGINEER</p> <p>LETTING DATE: <u>LAURA E. MELVIN, PE</u><br/>AUGUST 16, 2022<br/>PROJECT DESIGNER</p> | <p>STRUCTURAL ENGINEER</p> <p><b>SEAL</b><br/>029429<br/>ENGINEER<br/>JASON T. GRISCOM</p> <p>DocuSigned by:<br/><u>Jason T. Grisco</u><br/>SIGNATURE: 6/22/2022</p> |  |
|--|---|--|--|--|