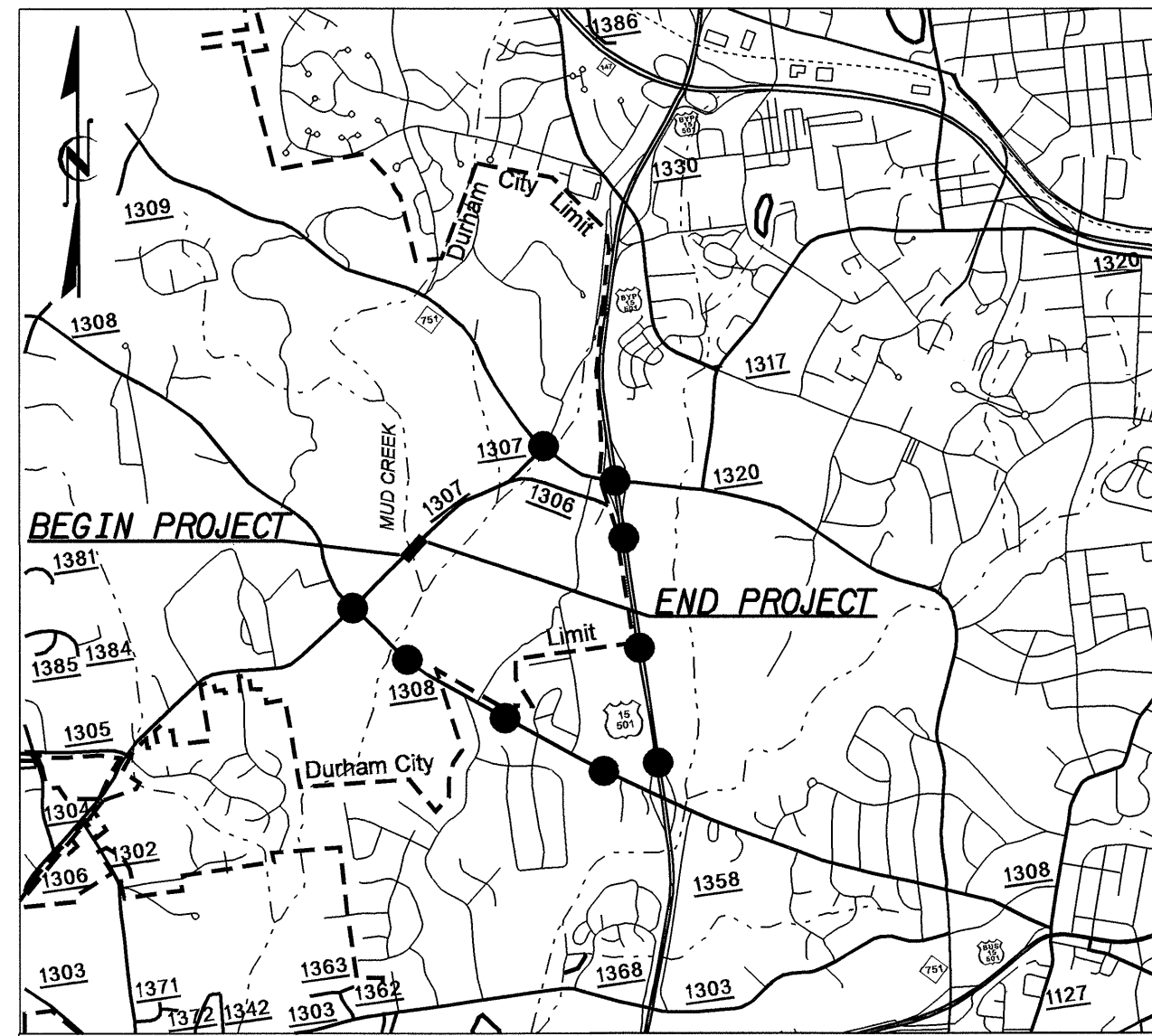


CONTRACT: C200852 TIP PROJECT: B-3451



VICINITY MAP

DETOUR ●—●—●—●—●—

NEAREST SHIPPING POINT: DURHAM ON NORFOLK SOUTHERN RR 8 MILES FROM PROJECT

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

DURHAM COUNTY

**LOCATION: BRIDGE NO. 119 OVER MUD CREEK
AND APPROACHES ON SR 1307**

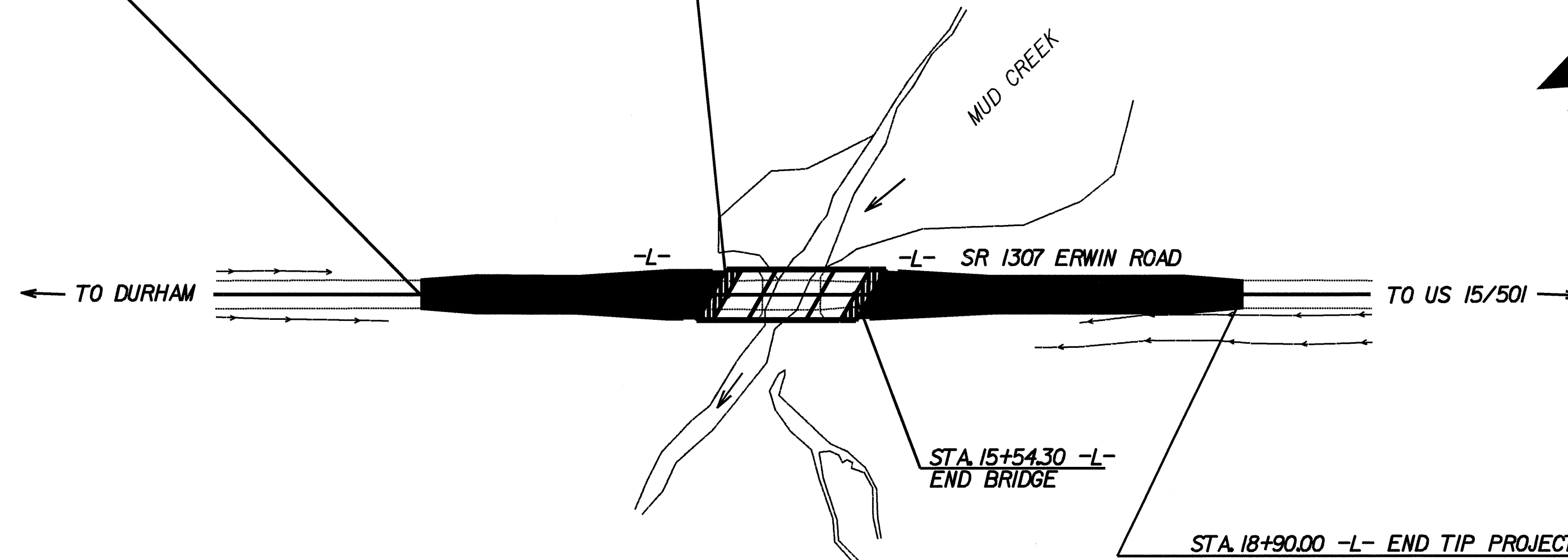
TYPE OF WORK: GRADING, DRAINAGE, PAVING, AND STRUCTURE

| STATE | STATE PROJECT REFERENCE NO. | SHEET NO. | TOTAL SHEETS |
|-----------------|-----------------------------|------------------|--------------|
| N.C. | B-3451 | | |
| STATE PROJ. NO. | F.A. PROJ. NO. | DESCRIPTION | |
| 33071.1.1 | BRSTP-1306 (4) | PE | |
| 33071.2.2 | BRSTP-1306 (4) | R / W, UTILITIES | |
| 33071.3.2 | BRSTP-1306 (13) | CONSTRUCTION | |
| | | | |
| | | | |

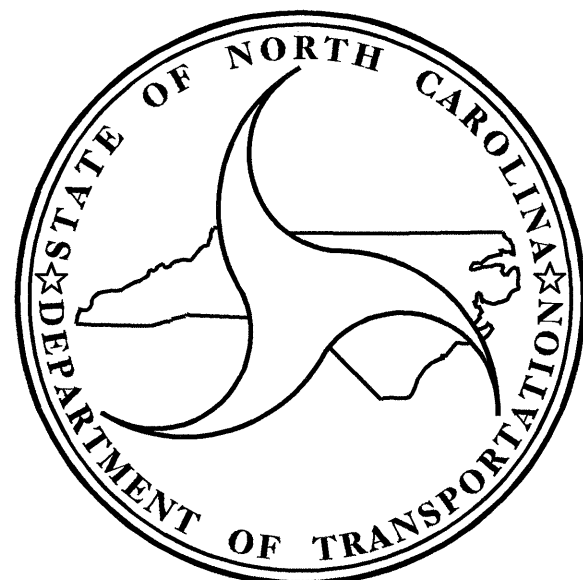
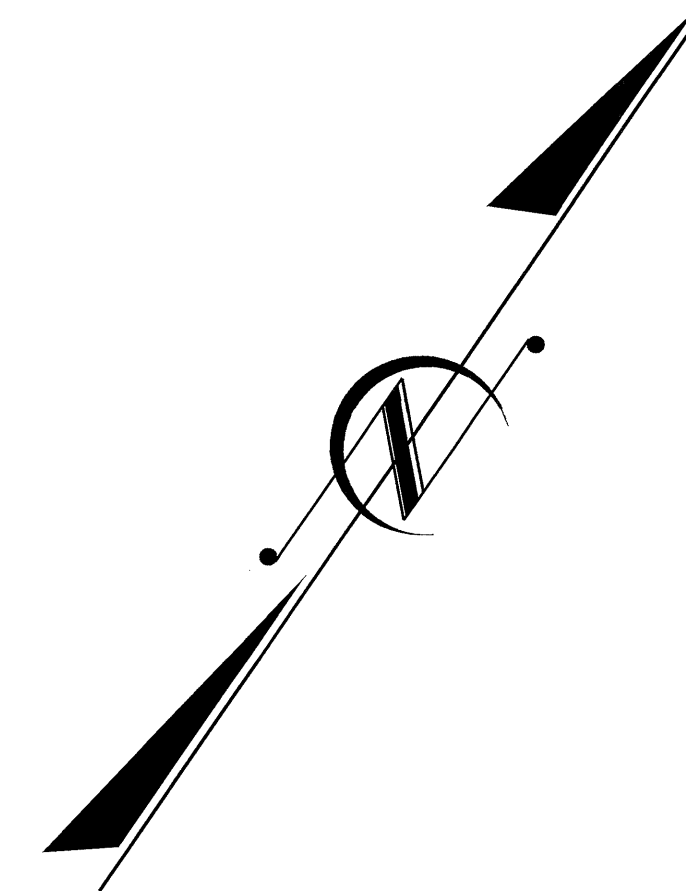
STRUCTURE

STA. 11+79.00 -L- BEGIN TIP PROJECT B-3451

STA. 14+44.30 -L- BEGIN BRIDGE



STA. 18+90.00 -L- END TIP PROJECT B-3451



DESIGN DATA

ADT 2003 = 14,300 VPD
 ADT 2023 = 22,700 VPD
 DHV = 12%
 D = 65%
 T = 4% *
 V = 50 MPH
 * TTST 1% + DUAL 3%

PROJECT LENGTH

LENGTH ROADWAY TIP PROJECT B-3451 = 0.114 MILE
 LENGTH STRUCTURE TIP PROJECT B-3451 = 0.021 MILE
 TOTAL LENGTH OF TIP PROJECT B-3451 = 0.135 MILE

Prepared In the Office of:
DIVISION OF HIGHWAYS
 1000 BIRCH RIDGE DR. RALEIGH, NC 27520

2002 STANDARD SPECIFICATIONS

LETTING DATE:
 JANUARY 18, 2005

N. N. BULLOCK, PE
 PROJECT ENGINEER

D. R. CALHOUN, PE
 PROJECT DESIGN ENGINEER

STRUCTURE DESIGN UNIT



DIVISION OF HIGHWAYS
 STATE OF NORTH CAROLINA

STATE DESIGN ENGINEER
DEPARTMENT OF TRANSPORTATION
 FEDERAL HIGHWAY ADMINISTRATION

APPROVED
 DIVISION ADMINISTRATOR DATE