

**TIP PROJECT: B-4180**  
**CONTRACT: 201070**

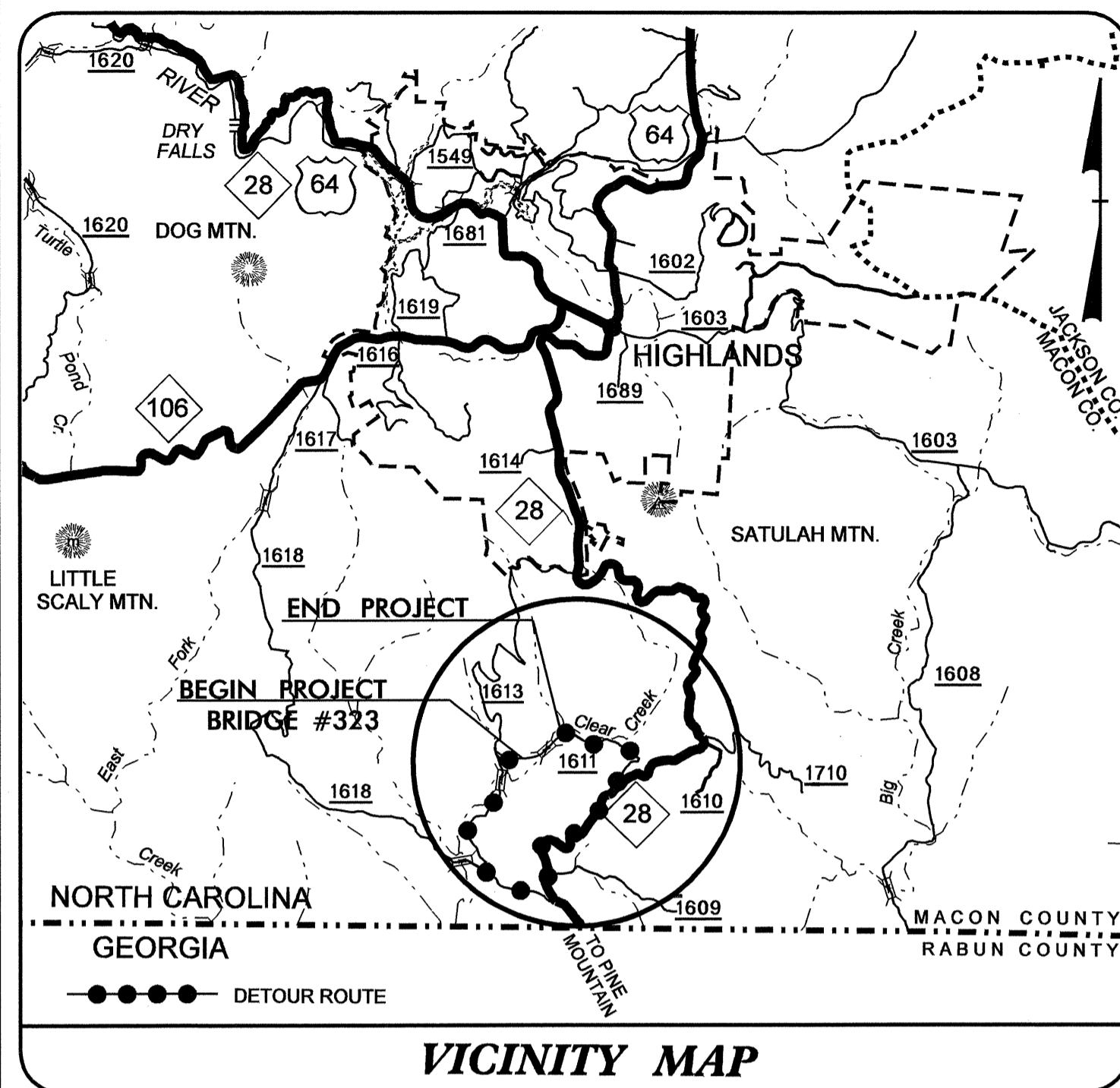
STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

**MACON COUNTY**

**LOCATION: REPLACEMENT OF BRIDGE NO. 323 ON SR 1611  
(SASSAFRAS GAP RD.) OVER CLEAR CREEK**

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

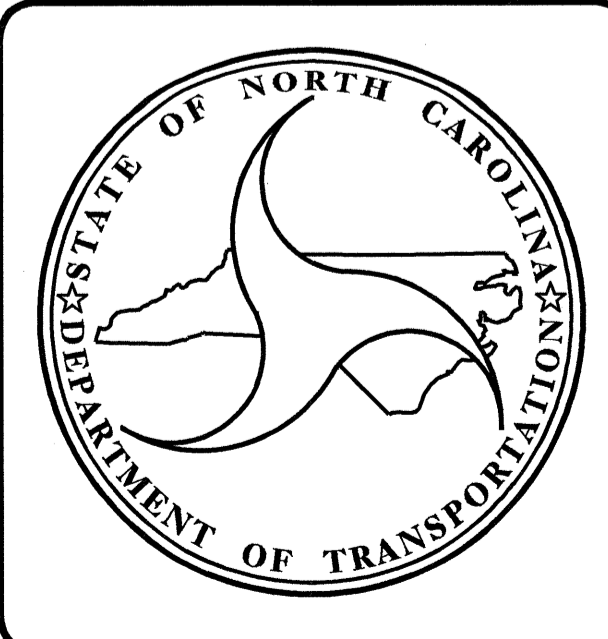
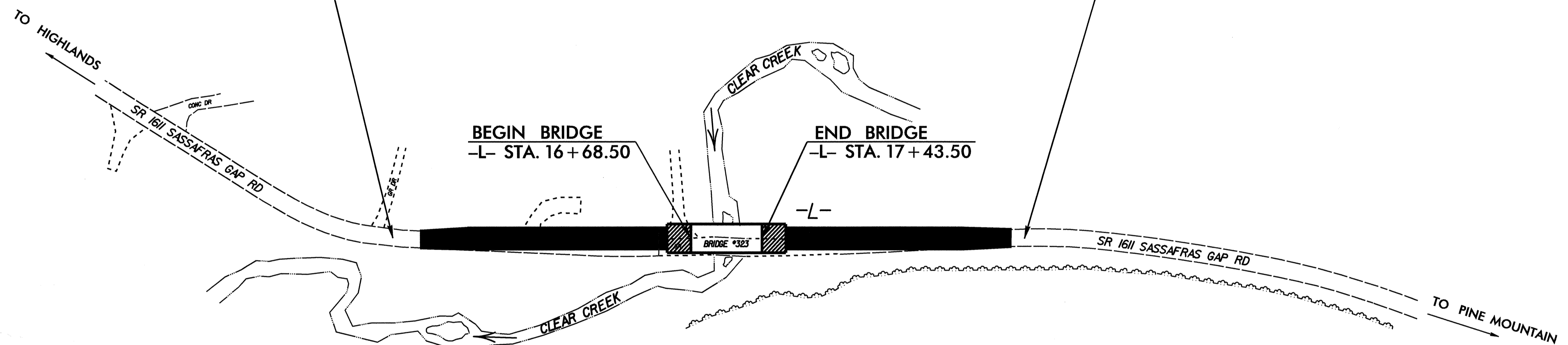
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	B-4180		
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
33527.1.1	BRZ-1611(2)	P.E.	
33527.2.1	BRZ-1611(2)	R/W	
33527.3.1	BRZ-1611(3)	CONST.	



NEAREST SHIPPING POINT IS BREVARD, NC ON NS R.R., ~35 MILES FROM BRIDGE

-L- STA. 13+50.00 BEGIN TIP PROJECT B-4180

-L- STA. 20+15.00 END TIP PROJECT B-4180



DESIGN DATA	
ADT 2004 =	105
ADT 2025 =	200
DHV =	10 %
D =	60 %
T =	3 % *
V =	60 MPH
* TTST 1% DUAL 2%	
FUNC CLASS =	LOCAL

PROJECT LENGTH	
LENGTH ROADWAY TIP PROJECT B-4180 =	0.112 MI
LENGTH STRUCTURE TIP PROJECT B-4180 =	0.014 MI
TOTAL LENGTH TIP PROJECT B-4180 =	0.126 MI

Prepared in the Office of:  
**DIVISION OF HIGHWAYS**  
1000 BIRCH RIDGE DR., RALEIGH, NC. 27610

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2002 STANDARD SPECIFICATIONS

J. M. BAILEY, PE  
PROJECT ENGINEER

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LETTING DATE:  
JANUARY 17, 2006

B. D. KLAPPENBACH, PE  
PROJECT DESIGN ENGINEER

STRUCTURE DESIGN UNIT

NORTH CAROLINA  
PROFESSIONAL  
SEAL  
14552  
ENGINEER  
GREGORY R. PERFETTI

*BMP*  
12-6-05

DIVISION OF HIGHWAYS  
STATE OF NORTH CAROLINA

P.E.

STATE DESIGN ENGINEER

**DEPARTMENT OF TRANSPORTATION  
FEDERAL HIGHWAY ADMINISTRATION**

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APPROVED  
DIVISION ADMINISTRATOR

DATE

10-OCT-2005 09:46  
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