

09/08/99

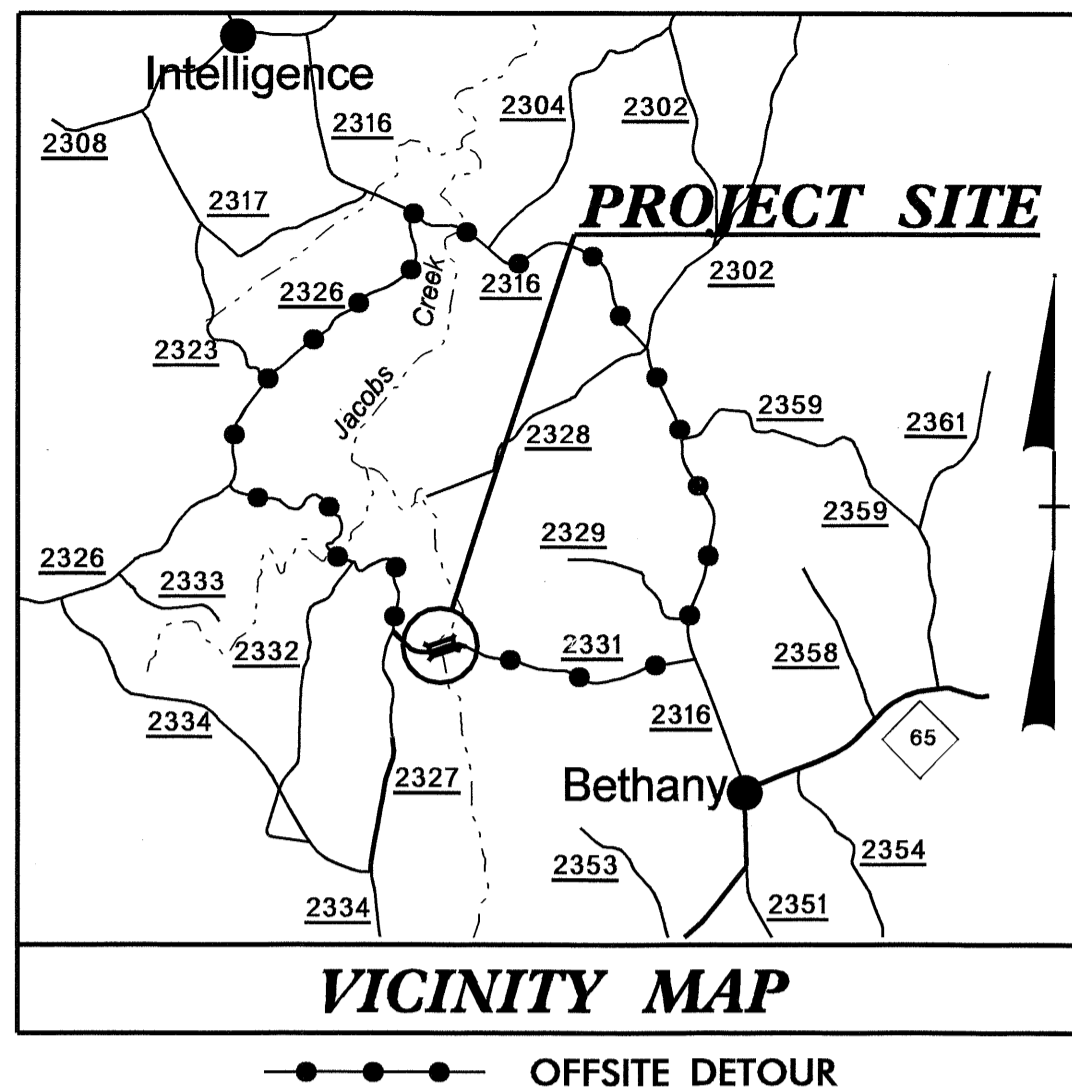
STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

**ROCKINGHAM COUNTY**

LOCATION: BRIDGE NO. 34 OVER JACOBS CREEK  
ON SR 2331 (BARHAM RD.)

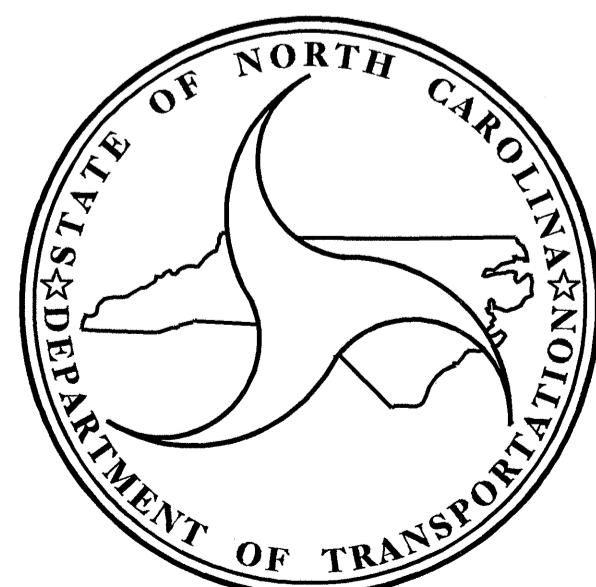
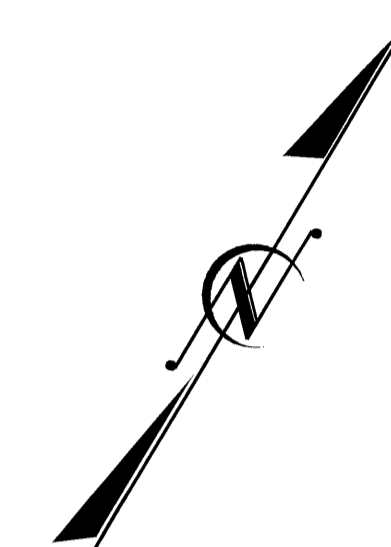
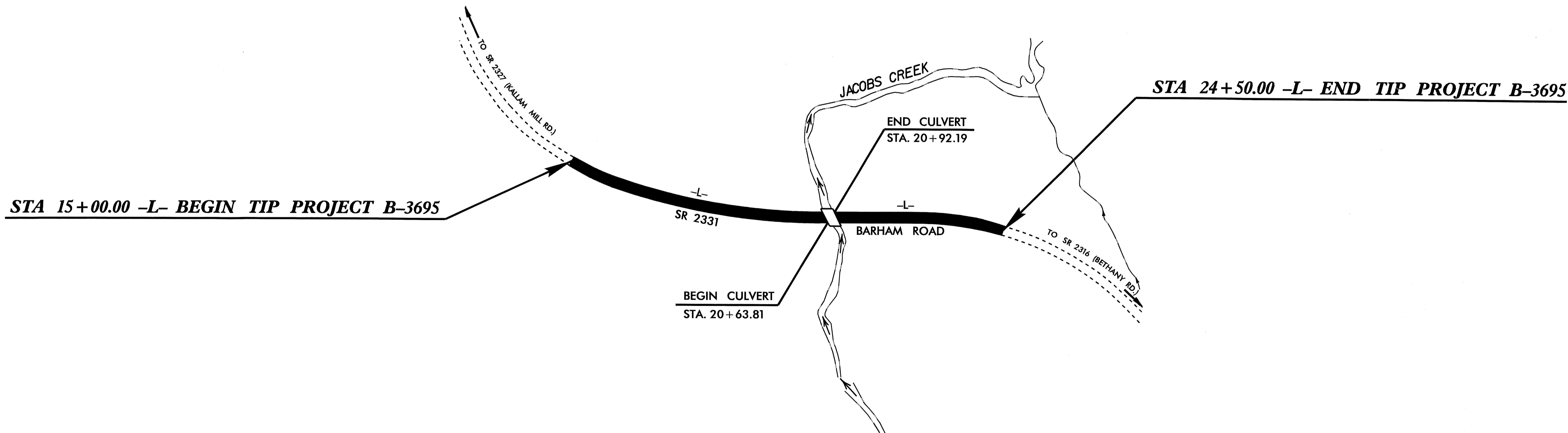
TYPE OF WORK: GRADING, DRAINAGE, PAVING, AND CULVERT

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	B-3695		
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
33235.1.1	BRZ-2331(1)	PE	
33235.3.1	BRZ-2331(1)	R/W, UTIL.	
33235.2.2	BRZ-2331(2)	CONST.	



CONTRACT: C201319 TIP PROJECT: B-3695

CULVERT



**DESIGN DATA**

ADT 2004 =	138
ADT 2024 =	292
DHV =	10 %
D =	60 %
T =	3 % *
** V =	60 MPH
* TTST	1% + DUAL 2%

\*\*DESIGN EXCEPTION REQUIRED FOR DESIGN SPEED (40MPH)

**PROJECT LENGTH**

LENGTH OF ROADWAY TIP PROJECT B-3695	=	.175 MILES
LENGTH OF STRUCTURE TIP PROJECT B-3695	=	.005 MILES
TOTAL LENGTH OF TIP PROJECT B-3695	=	.180 MILES

Prepared In the Office of:  
**DIVISION OF HIGHWAYS**  
1000 Birch Ridge Dr., Raleigh NC, 27610

2002 STANDARD SPECIFICATIONS

LETTING DATE:  
NOVEMBER 16, 2004

ROY GIROLAMI, P.E.  
PROJECT ENGINEER

DAVID ANDERSON, P.E.  
PROJECT DESIGN ENGINEER

STRUCTURE DESIGN UNIT

8/16/04

DIVISION OF HIGHWAYS  
STATE OF NORTH CAROLINA

STATE DESIGN ENGINEER

DEPARTMENT OF TRANSPORTATION  
FEDERAL HIGHWAY ADMINISTRATION

APPROVED  
DIVISION ADMINISTRATOR

DATE

29-JUN-2004 09:42  
\$\$\$\$\$\$\$\$\$DGN\$\$\$\$\$\$\$\$\$  
canderson