

CONTRACT: C200863 TIP PROJECT: B-3703

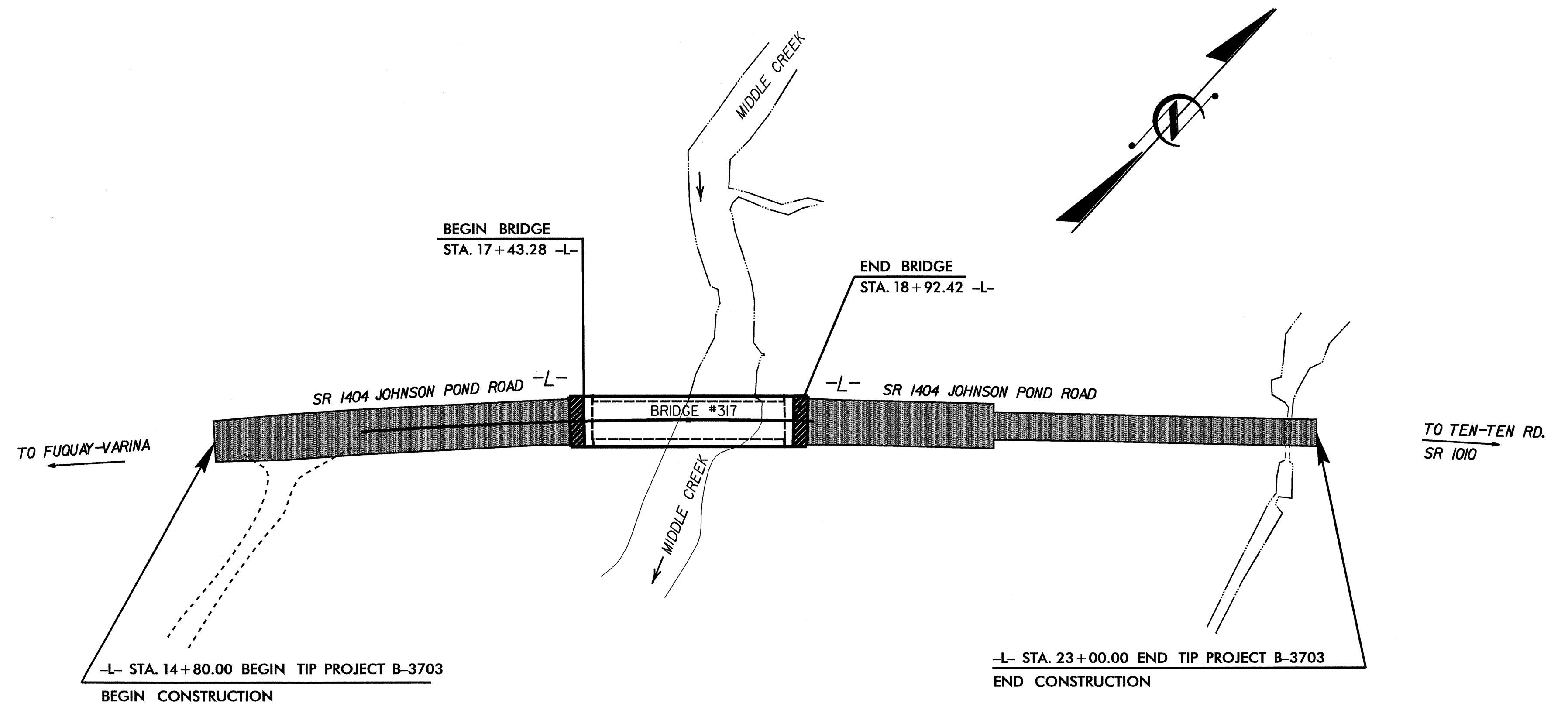
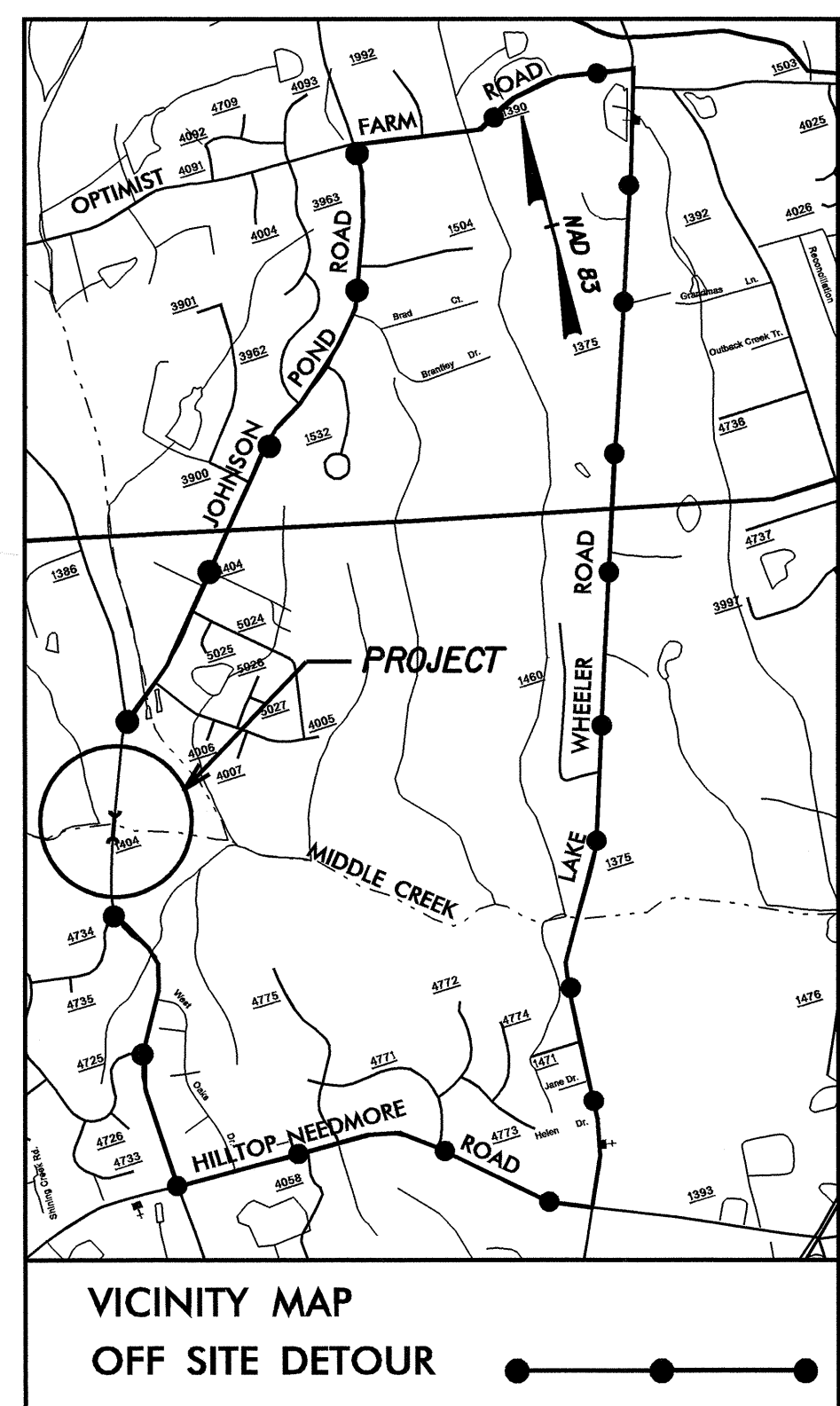
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

WAKE COUNTY

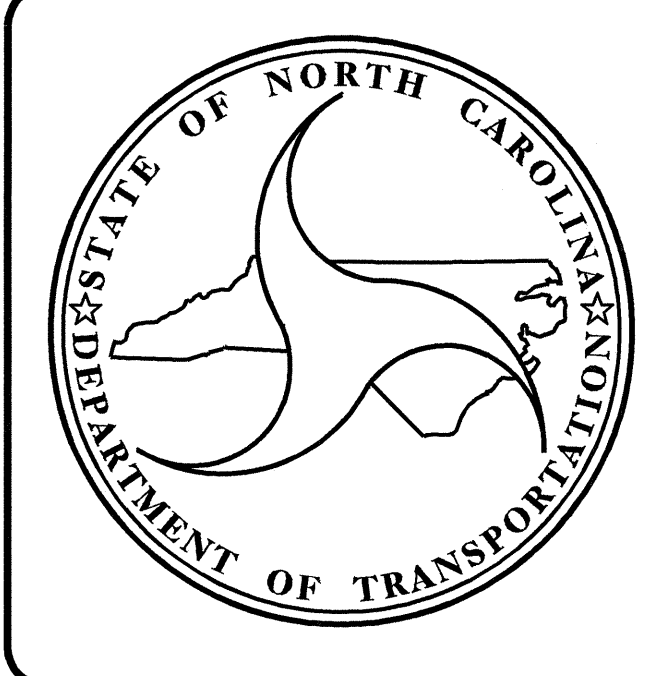
**LOCATION: BRIDGE NO. 317 OVER MIDDLE CREEK
ON SR 1404 (JOHNSON POND ROAD)**

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

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	B-3703		
WBS NO.	F.A. PROJ. NO.	DESCRIPTION	
33243.1.1	BRZ-1404(4)	PE	
33243.2.2	BRZ-1404(7)	ROW, Utility	
33243.3.1	BRZ-1404(8)	CONST.	



STRUCTURE



DESIGN DATA

ADT 2004 = 5,200
ADT 2024 = 11,200
DHV = 10 %
D = 60 %
T = 3 % *
V = 50 MPH

*(TTST 1 % + DUAL 2%)

PROJECT LENGTH

LENGTH ROADWAY TIP PROJECT B-3703 = 0.127 MI
LENGTH STRUCTURE TIP PROJECT B-3703 = 0.028 MI
TOTAL LENGTH TIP PROJECT B-3703 = 0.155 MI

Prepared In the Office of:
DIVISION OF HIGHWAYS
1000 BIRCH RIDGE DR., RALEIGH, N.C. 27610

2002 STANDARD SPECIFICATIONS

LETTING DATE:
FEBRUARY 15, 2005

J. M. BAILEY, PE
PROJECT ENGINEER

B. D. KLAPPENBACH, PE
PROJECT DESIGN ENGINEER

STRUCTURE DESIGN UNIT

Gregory R. Perfetti
12.22.04

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

P.E.

STATE DESIGN ENGINEER

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED
DIVISION ADMINISTRATOR

DATE

16-DEC-2004 15:11
 \$\$\$\$\$\$DGN\$\$\$\$\$\$
 bklappenbach