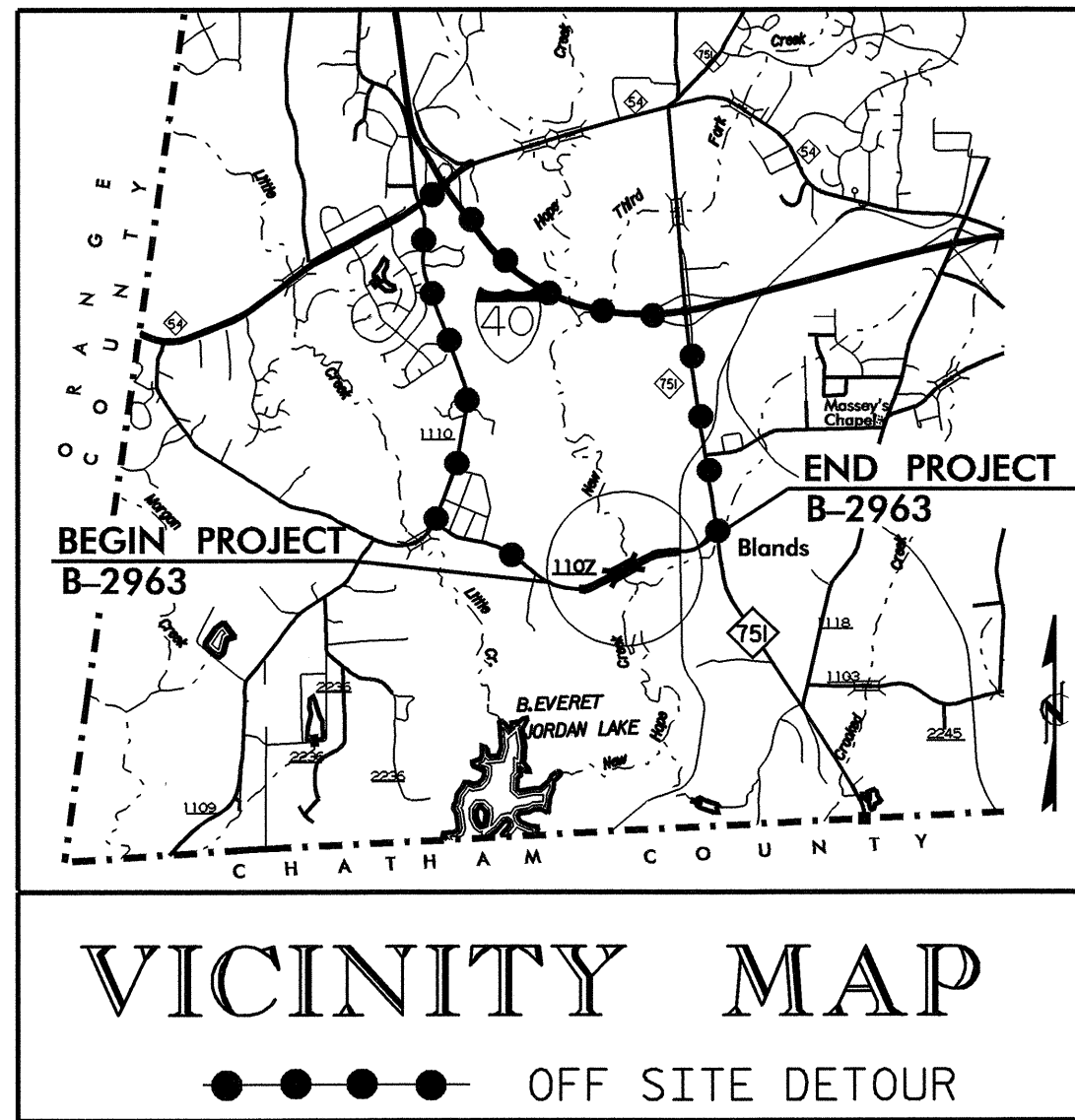


CONTRACT: C200825 TIP PROJECT: B-2963

STRUCTURE



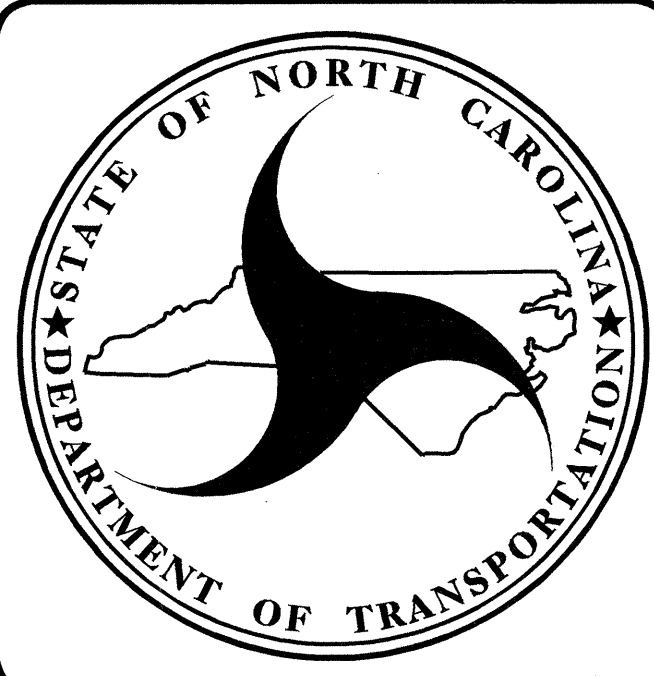
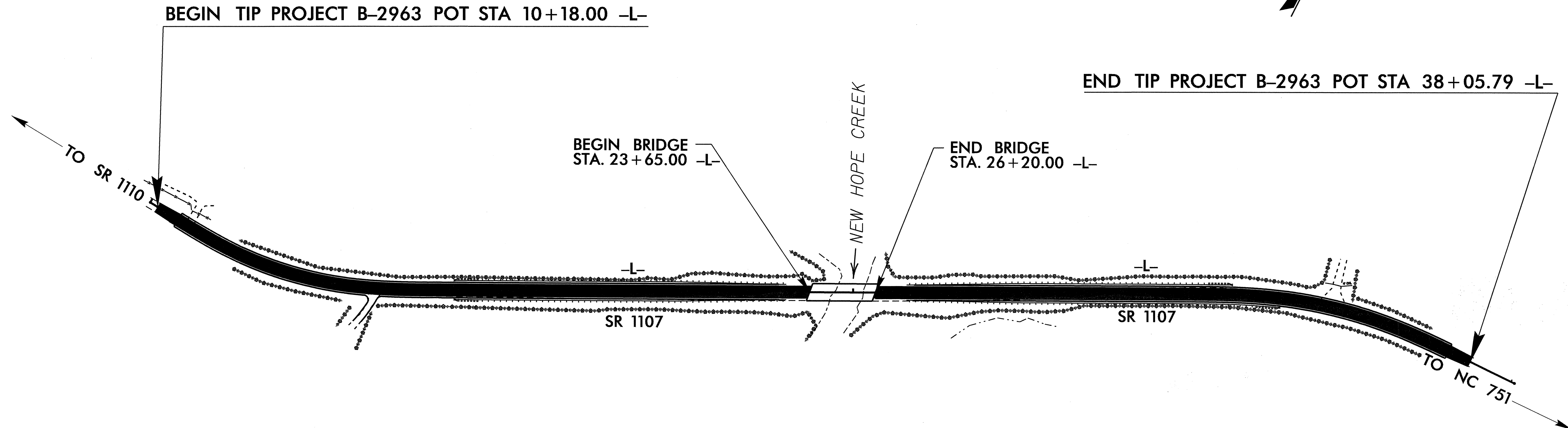
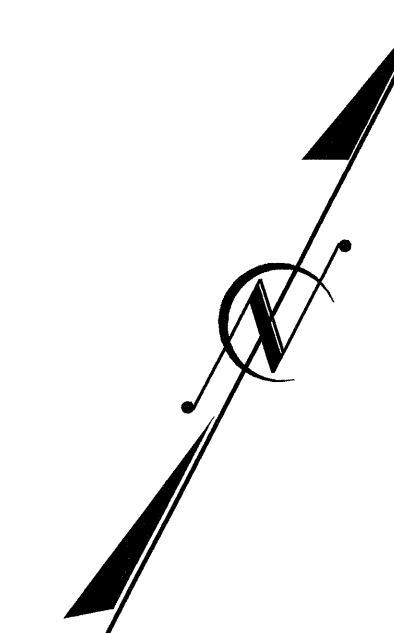
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

DURHAM COUNTY

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	B-2963		
STATE PROJ. NO.	P.A. PROJ. NO.	DESCRIPTION	
32780.1.1	BRSTP-1107(4)	P.E.	
32780.2.1	BRSTP-1107(4)	RW, UTL	
32780.3.2	BRSTP-1107(12)	CONSTR.	

**LOCATION: BRIDGE #111 OVER NEW HOPE CREEK
AND APPROACHES ON SR 1107**

**TYPE OF WORK: GRADING, DRAINAGE, PAVING, GUARDRAIL,
PAVEMENT MARKINGS, & STRUCTURE**



DESIGN DATA

ADT 2002 = 4350
ADT 2025 = 13000
DHV = 10 %
D = 60 %
T = 7 % *
** V = 60 km/h

* TTST 3 % DUAL 4 %
** DESIGN EXCEPTION

PROJECT LENGTH

LENGTH ROADWAY TIP PROJECT B-2963 = 0.480 MILE
LENGTH STRUCTURE TIP PROJECT B-2963 = 0.048 MILE
TOTAL LENGTH OF TIP PROJECT B-2963 = 0.528 MILE

Prepared in the Office of:
DIVISION OF HIGHWAYS

2002 STANDARD SPECIFICATIONS

LETTING DATE:
NOVEMBER 16, 2004

JOHN C. FRYE, P.E.
PROJECT ENGINEER

BRIAN C. HANKS, P.E.
PROJECT DESIGN ENGINEER

STRUCTURE DESIGN UNIT
1000 BIRCH RIDGE DRIVE
RALEIGH, NC 27610

Gregory R. Perrett
12/29/03

**DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA**

P.E.
STATE DESIGN ENGINEER

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED
DIVISION ADMINISTRATOR

DATE