9/09/99

TIP PROJECT: R-2552AA

CONTRACT: C201226

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

WAKE–JOHNSTON COUNTIES

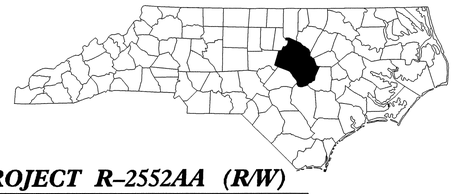
METRIC	STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
ALL DIMENSIONS IN THESE PLANS ARE IN METERS	N.C.	R–2552AA	1	

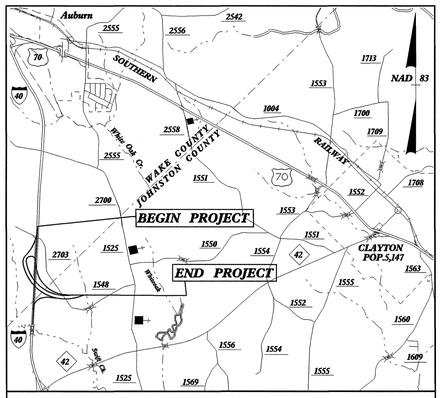
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION
34459.1.1	NHF–60–1(9)	P.E.
34459.2.3		R\W, UTIL.
34459.3.4		CONST.

LOCATION: US 70 CLAYTON BYPASS FROM I–40 IN WAKE COUNTY TO EAST OF SR 1525 (CORNWALLIS RD.)

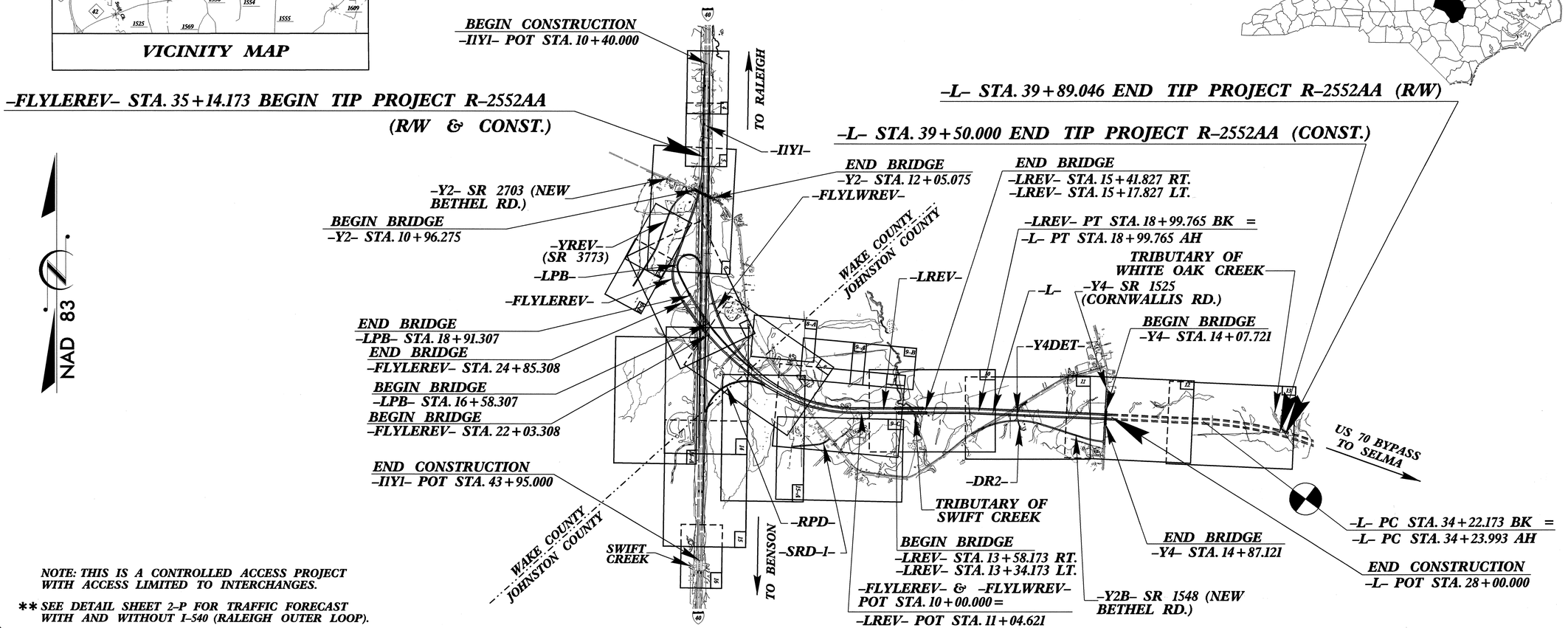
TYPE OF WORK: GRADING, PAVING, DRAINAGE, GUARDRAIL, CABLE GUIDERAIL, STRUCTURES, AND SIGNING

PART 1





VICINITY MAP



NOTE: THIS IS A CONTROLLED ACCESS PROJECT WITH ACCESS LIMITED TO INTERCHANGES.

** SEE DETAIL SHEET 2–P FOR TRAFFIC FORECAST WITH AND WITHOUT I–540 (RALEIGH OUTER LOOP).

GRAPHIC SCALES

PLANS 5 0 10

PROFILE (HORIZONTAL) 5 0 10

PROFILE (VERTICAL) 1 0 2

DESIGN DATA

ADT 2005	=	40,800
**ADT 2025	=	85,000
DHV	=	10 %
D	=	65 %
*T	=	16 %
V	=	110 km/h

*(TTST 10% + DUAL 6 %)

FUNC. CLASS. = FREEWAY

PROJECT LENGTH

LENGTH ROADWAY TIP PROJECT R–2552AA = 4.892 km

LENGTH STRUCTURE TIP PROJECT R–2552AA = 0.466 km

TOTAL LENGTH OF TIP PROJECT R–2552AA = 5.358 km

Prepared In the Office of:

DIVISION OF HIGHWAYS
1000 Birch Ridge Dr., Raleigh, NC 27610

2002 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE: JUNE 30, 2000

LETTING DATE: MAY 17, 2005

GLENN W. MUMFORD, P.E.
PROJECT ENGINEER

JEFFREY L. TEAGUE, E.I.
PROJECT DESIGN ENGINEER

HYDRAULICS ENGINEER — P.E. — SIGNATURE: — 3/18/05

ROADWAY DESIGN ENGINEER — P.E. — SIGNATURE: — 3/18/05

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA
STATE DESIGN ENGINEER — P.E.

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
APPROVED
DIVISION ADMINISTRATOR — DATE

18-MAR-2005 11:57
R:\proj\interim\interimga.tsh
JLTeague AT RD223230