

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	I-2102	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
34153.1.1	IMF-40-3(101)182	P.E.	
34153.2.1	IMF-40-3(101)182	RW	
34153.3.2	IMF-40-3(101)182	CONST.	

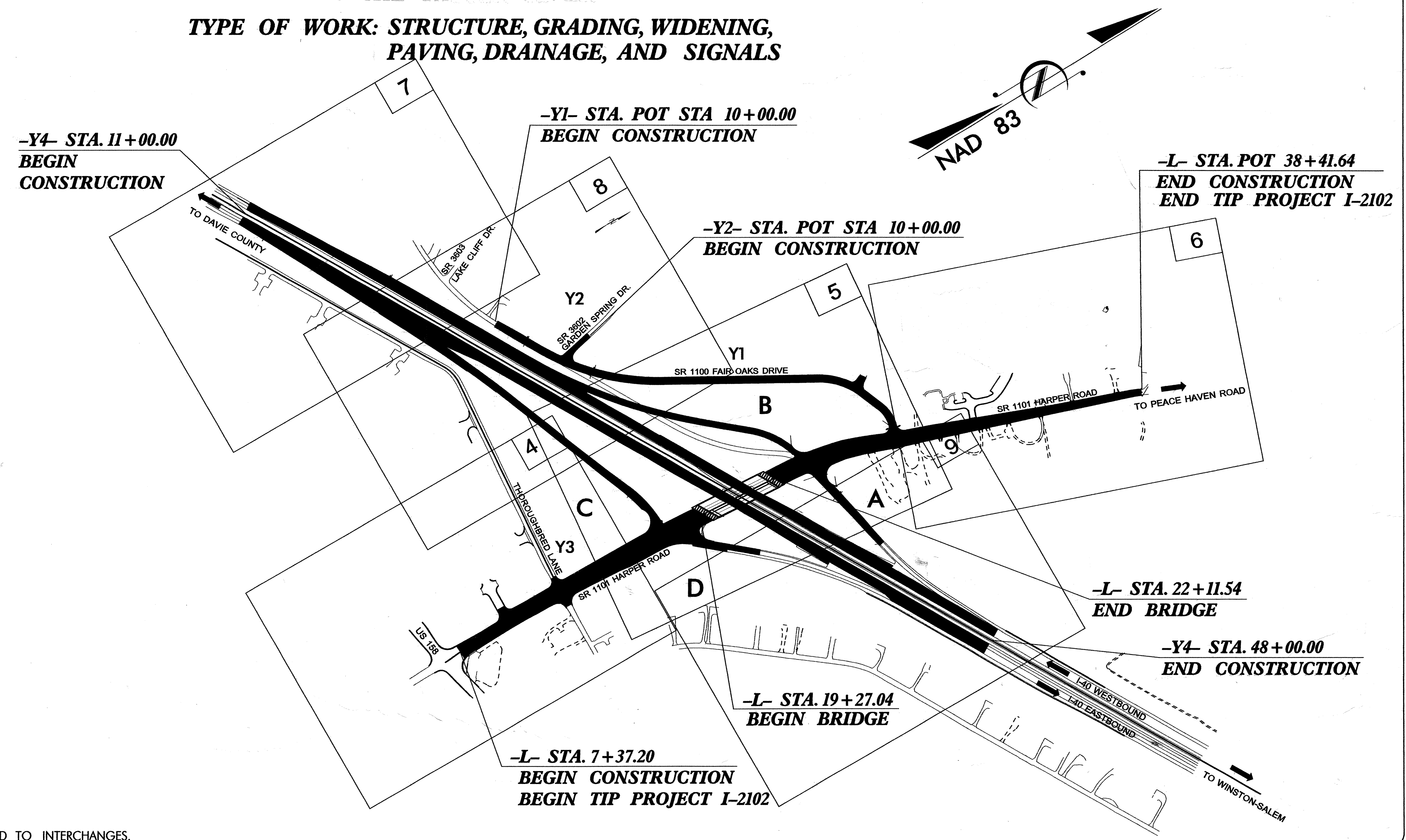
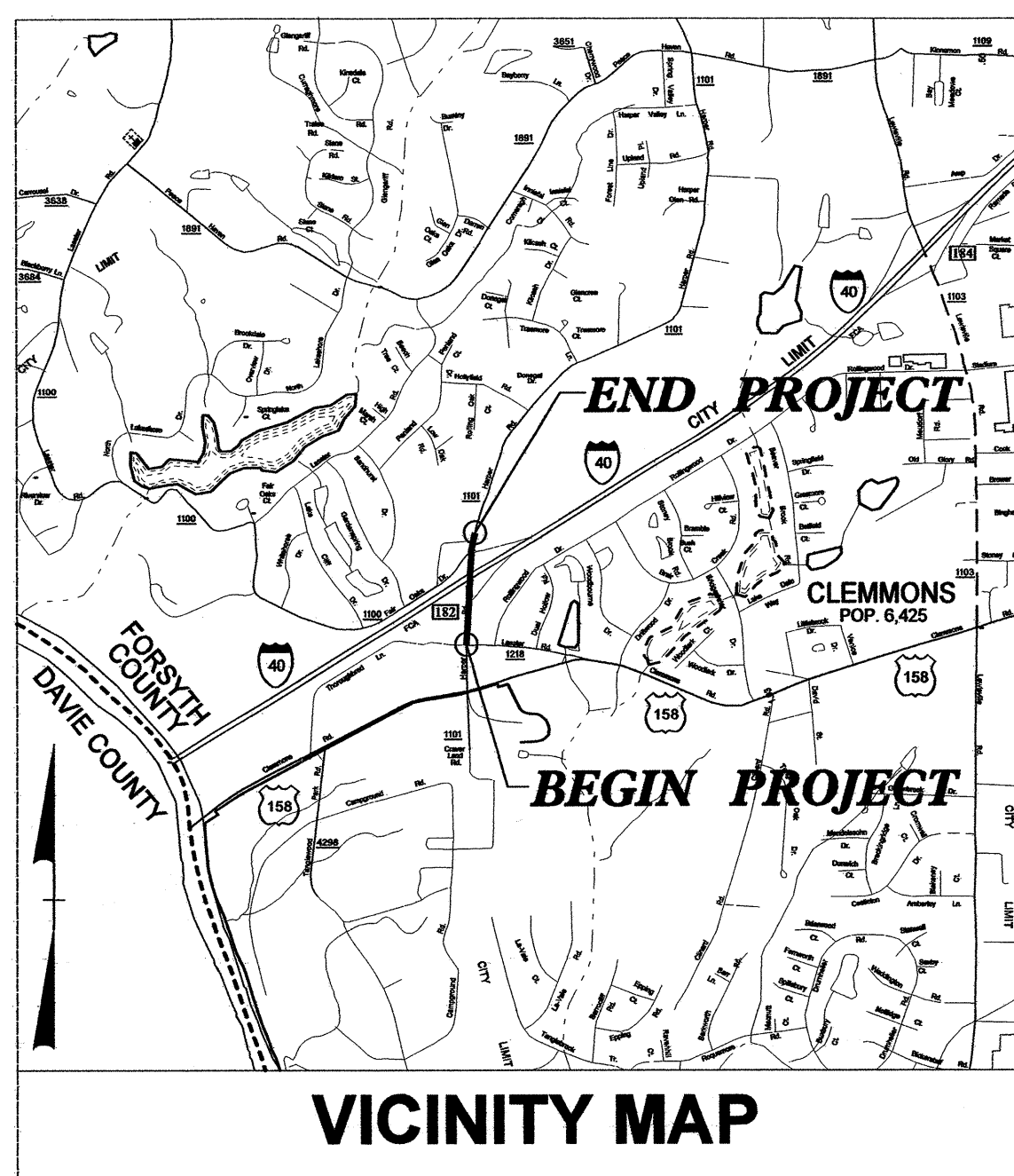
STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

**FORSYTH COUNTY**

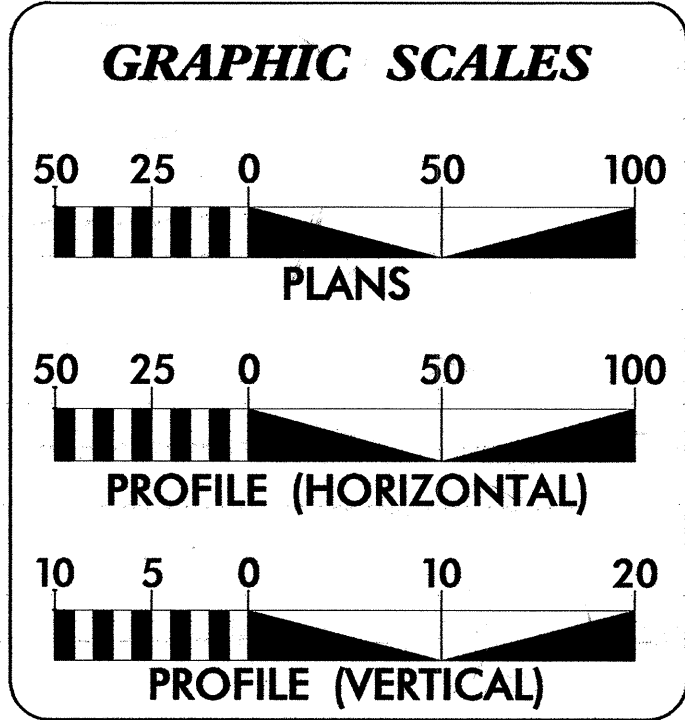
**LOCATION: I-40 AT (SR 1101) HARPER ROAD INTERCHANGE, APPROX. 0.9 MILES EAST OF THE YADKIN RIVER**

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

See Sheet 1-A For Index of Sheets  
See Sheet 1-B For Conventional Symbols



DESIGN EXCEPTION VERTICAL CURVATURE  
THIS IS A CONTROLLED-ACCESS PROJECT WITH ACCESS BEING LIMITED TO INTERCHANGES.



**DESIGN DATA**

ADT 2004 =	6580
ADT 2025 =	13300
DHV =	10 %
D =	60 %
T =	3 % *
V =	45 MPH
* TTST 1%	DUAL 2%

**PROJECT LENGTH**

TOTAL LENGTH ROADWAY TIP PROJECT I-2102 =	0.534 MILES
TOTAL STRUCTURE LENGTH =	0.054 MILES
TOTAL LENGTH STATE TIP PROJECT I-2102 =	0.588 MILES

Prepared in the Office of:  
**DIVISION OF HIGHWAYS**  
NINTH DIVISION DESIGN / CONSTRUCT OFFICE  
375 Silas Creek Parkway  
WINSTON-SALEM, NORTH CAROLINA 27127

2002 STANDARD SPECIFICATIONS

**RIGHT OF WAY DATE:** DAVID W. SPAINHOUR, P.E.  
AUGUST 15, 2003  
DIVISION OPERATIONS ENGINEER

**LETTING DATE:** EVAN E. ANDREWS, P.E.  
December 21, 2004  
DIVISION DESIGN/CONSTRUCT ENGINEER

**HYDRAULICS ENGINEER**

PAUL E. FISHER  
SEAL 12575  
SIGNATURE: [Signature] P.E. 8-31-04

**DESIGN/CONSTRUCT ENGINEER**

EVAN E. ANDREWS  
SEAL 2746  
SIGNATURE: [Signature] P.E. 8-10-04

**DIVISION OF HIGHWAYS**  
STATE OF NORTH CAROLINA

STATE DESIGN ENGINEER  
[Signature] P.E.

DEPARTMENT OF TRANSPORTATION  
FEDERAL HIGHWAY ADMINISTRATION

APPROVED  
DIVISION ADMINISTRATOR  
DATE

7/01/99  
 09  
 65 ME  
**TIP PROJECT: I-2102**  
**CONTRACT: C201359**  
**CONTRACT: I-2102**  
 11-AUG-2004 09:24  
 H:\2102\11-A\blcaud11-A