

09/28/12

See Sheet 1-A For Index of Sheets

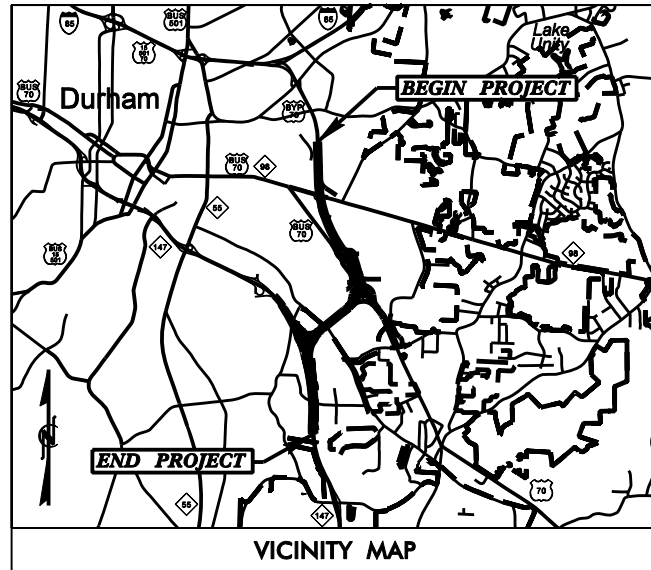
# STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

## DURHAM COUNTY

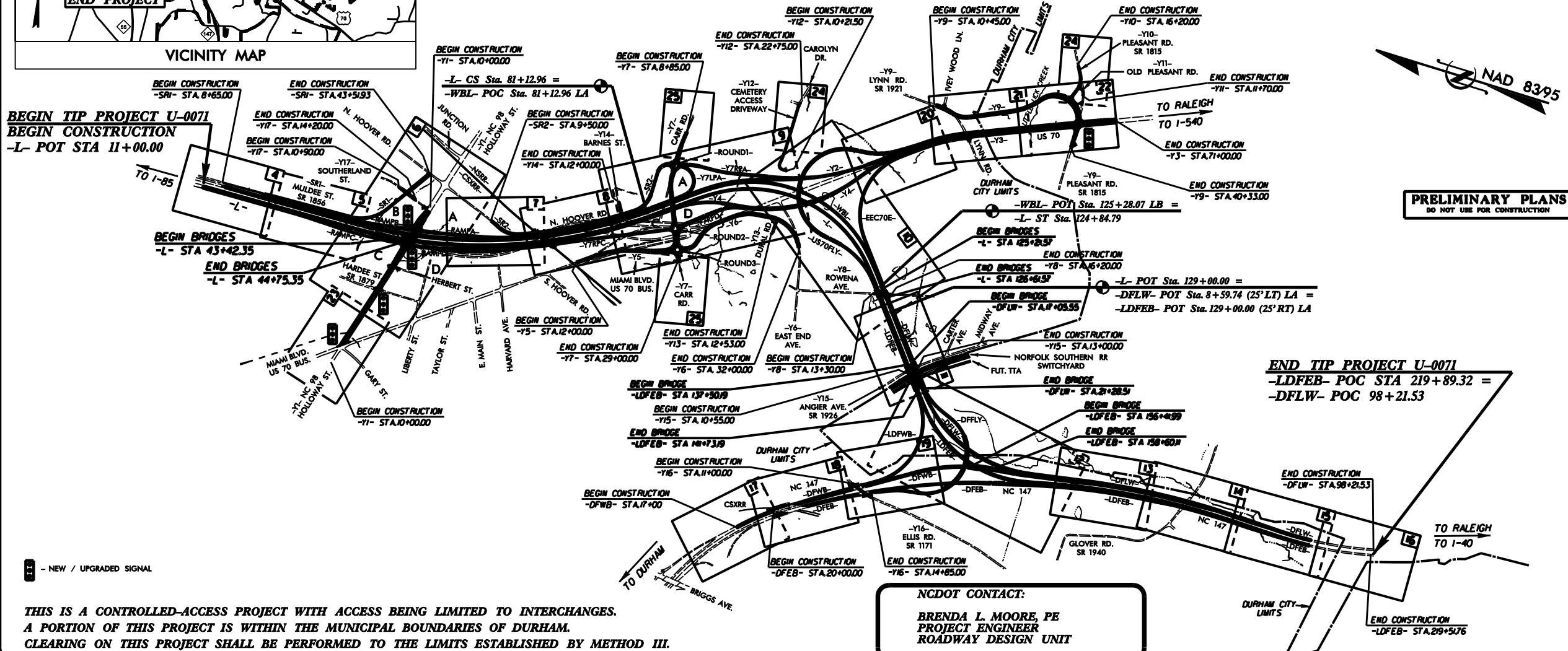
LOCATION: DURHAM EAST END CONNECTOR, FROM NC 147  
(BUCK DEAN FREEWAY) TO NORTH OF NC 98

TYPE OF WORK: GRADING, DRAINAGE, PAVING, CURB & GUTTER,  
SIGNALS, STRUCTURES, AND SIGNING

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	U-0071	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
34745.1.1	NHF-76-1(2)	PE	
34745.2.8	NHF-76-1(2)	RAW, UTILITIES	



TIP PROJECT: U-0071

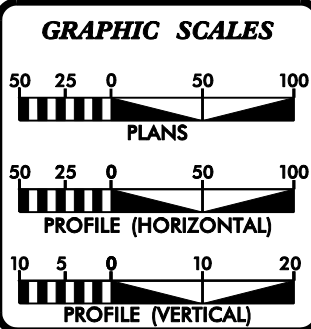


**PRELIMINARY PLANS**  
DO NOT USE FOR CONSTRUCTION

THIS IS A CONTROLLED-ACCESS PROJECT WITH ACCESS BEING LIMITED TO INTERCHANGES.  
A PORTION OF THIS PROJECT IS WITHIN THE MUNICIPAL BOUNDARIES OF DURHAM.  
CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD III.

NC DOT CONTACT:  
BRENDA L. MOORE, PE  
PROJECT ENGINEER  
ROADWAY DESIGN UNIT

CONTRACT:



**DESIGN DATA**

ADT 2015 =	65,700
ADT 2035 =	116,100
DHV =	10 %
D =	55 %
T =	14 % *
V =	70 MPH
* TTST 8	DUAL 6
FUNCT. CLASS. =	INTERSTATE

**PROJECT LENGTH**

LENGTH ROADWAY PROJECT U-0071	=	3.783 mi.
LENGTH STRUCTURE PROJECT U-0071	=	0.173 mi.
TOTAL LENGTH OF TIP PROJECT U-0071	=	3.956 mi.
LENGTH OF PROJECT BASED ON -L- AND -LDFEB-		

Prepared For:  
**DIVISION OF HIGHWAYS**  
1000 Birch Ridge Dr., Raleigh NC, 27610

By:  
**M A Engineering Consultants, Inc.**  
598 East Chatham Street - Suite 137  
Cary, NC 27511  
Phone: 919.297.0220 Fax: 919.297.0221

2012 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:  
APRIL 13, 2012

LETTING DATE:  
APRIL 15, 2014

**HYDRAULICS ENGINEER**

SIGNATURE: \_\_\_\_\_ P.E.

**ROADWAY DESIGN ENGINEER**

SIGNATURE: \_\_\_\_\_ P.E.

