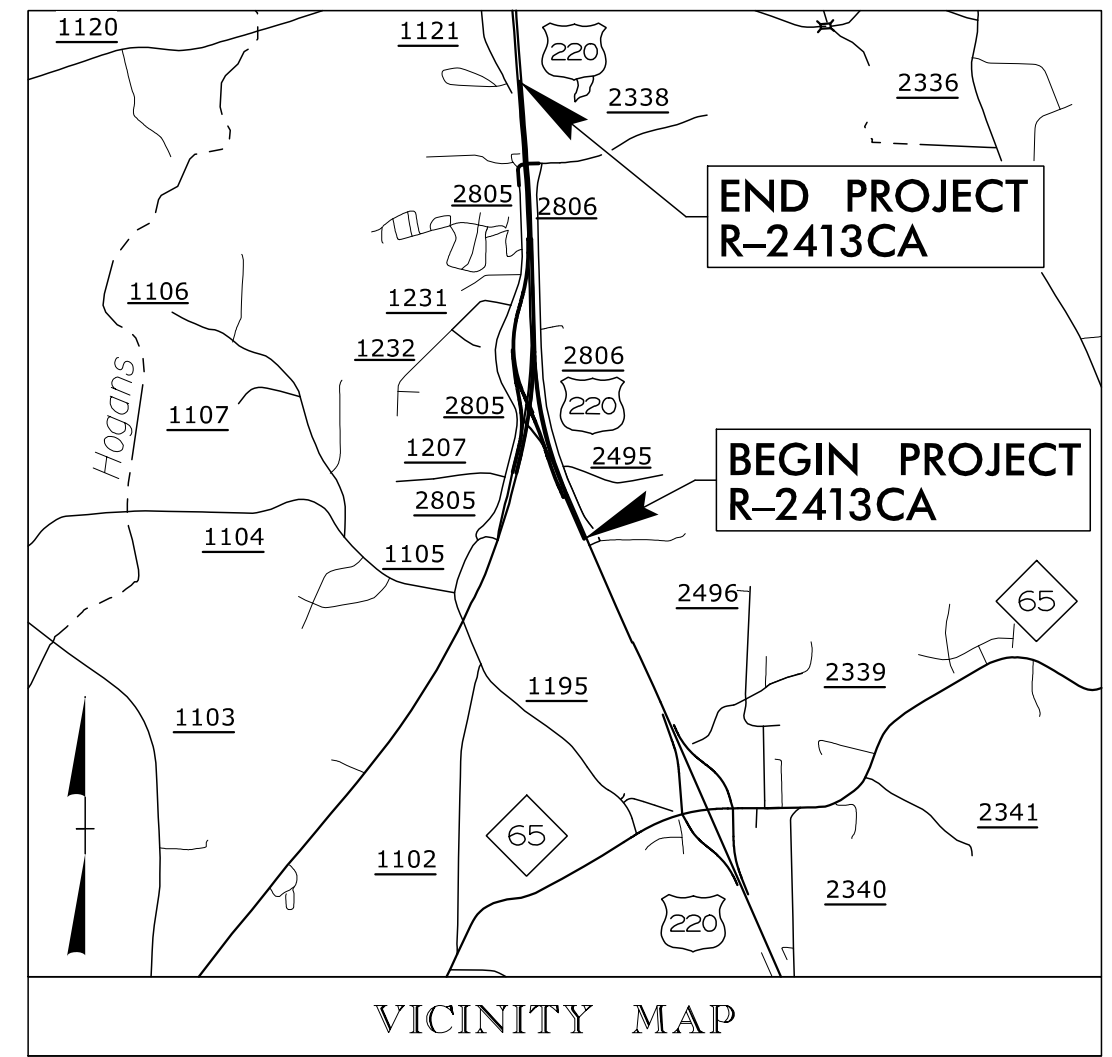


9/29/15

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



STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

**ROCKINGHAM COUNTY**

**LOCATION: US 220 /FUTURE I-73 AT NC 68 - CONVERT  
AT-GRADE INTERSECTION TO INTERCHANGE**

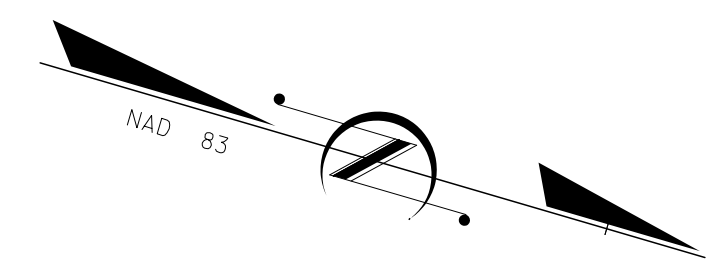
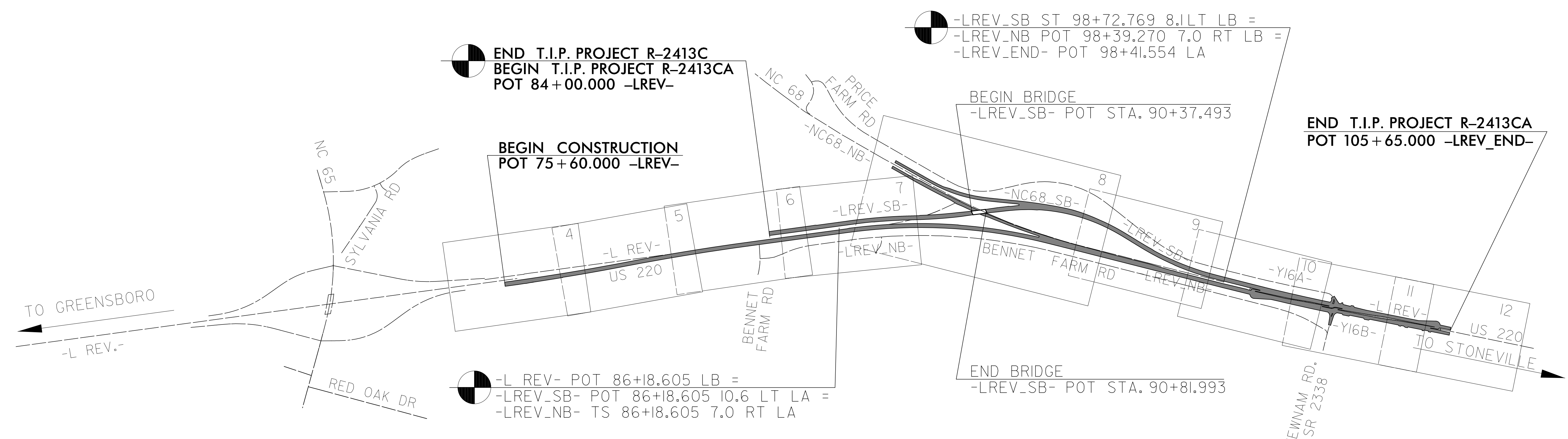
**TYPE OF WORK: GRADING, DRAINAGE, STRUCTURE & PAVING**

**METRIC**

ALL DIMENSIONS IN THESE PLANS ARE IN METERS AND/OR MILLIMETERS UNLESS OTHERWISE NOTED

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	R-2413CA	1	
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	
34429.3.S9		PE	
34429.3.S9		UTIL	
34429.3.S9		CONST	

**CONTRACT: C203645 TIP PROJECT: R-2413CA**



NCDOT CONTACT: RON E. McCULLUM, P.E., PROJECT ENGINEER

NOTE: THIS IS A CONTROLLED ACCESS PROJECT WITH ACCESS BEING LIMITED TO INTERCHANGES. THERE IS NO CONTROL OF ACCESS BEYOND THE INTERSECTION OF SR 2338 (NEWNAM RD.)

**GRAPHIC SCALES**

5 0 10  
PLANS

5 0 10  
PROFILE (HORIZONTAL)

1 0 2  
PROFILE (VERTICAL)

**DESIGN DATA**

ADT 2014	=	22600
ADT 2034	=	48600
DHV	=	12 %
D	=	65 %
T	=	17 % *
*(13% TTST + 4% DUALS)		
V	=	110 km/h
FUNC. CLASS.: INTERSTATE STATEWIDE TIER		

**PROJECT LENGTH**

LENGTH ROADWAY T.I.P. PROJECT R-2413CA	2.163 KM (1.344 MI)
TOTAL LENGTH T.I.P. PROJECT R-2413CA	2.163 KM (1.344 MI)

NOTE: NB LANE STATIONING USED TO DETERMINE LENGTH OF ROADWAY T.I.P. PROJECT

Prepared in the Office of:

**ICA Engineering**  
5121 Kingdom Way, Suite 100  
Raleigh, NC 27607  
NC License No: F-0258

2012 STANDARD SPECIFICATIONS

**RIGHT OF WAY DATE:** RIGHT-OF-WAY WAS ACQUIRED UNDER R-2413C

**LETTING DATE:** JUNE 16, 2015

**DAVID C. WALLER, P.E.**  
PROJECT ENGINEER

**HENRY BARE**  
PROJECT DESIGN ENGINEER

**HYDRAULICS ENGINEER**

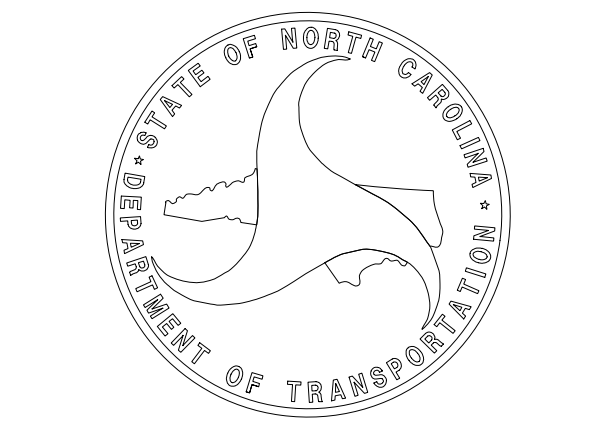
DocuSigned by: *Shichen Fu*  
F148C273988E439...

**ROADWAY DESIGN ENGINEER**

DocuSigned by: *David C. Waller*  
88AD3F7156C5433...

Professional Engineer Seal: SHICHEN FU, 19732, 4/8/2015

Professional Engineer Seal: DAVID C. WALLER, 22606, 4/8/2015



4/8/2015 R:\Projects\2015\Rockingham\2413CA\_rdyj\_tsh.dgn ICA ENGINEERING, INC.