

09.08/2016

See Sheet 1A For Index of Sheets
See Sheet 1B For Symbology Sheet

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	B-4490	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
33727.1.1	BRNHS-0024(24)	P.E.	
33727.2.FS1	BRNHS-0024(24)	RW	
33727.2.FSU1	BRNHS-0024(24)	UTILITIES	
33727.3.FS1	BRNHS-0024(24)	CONST.	

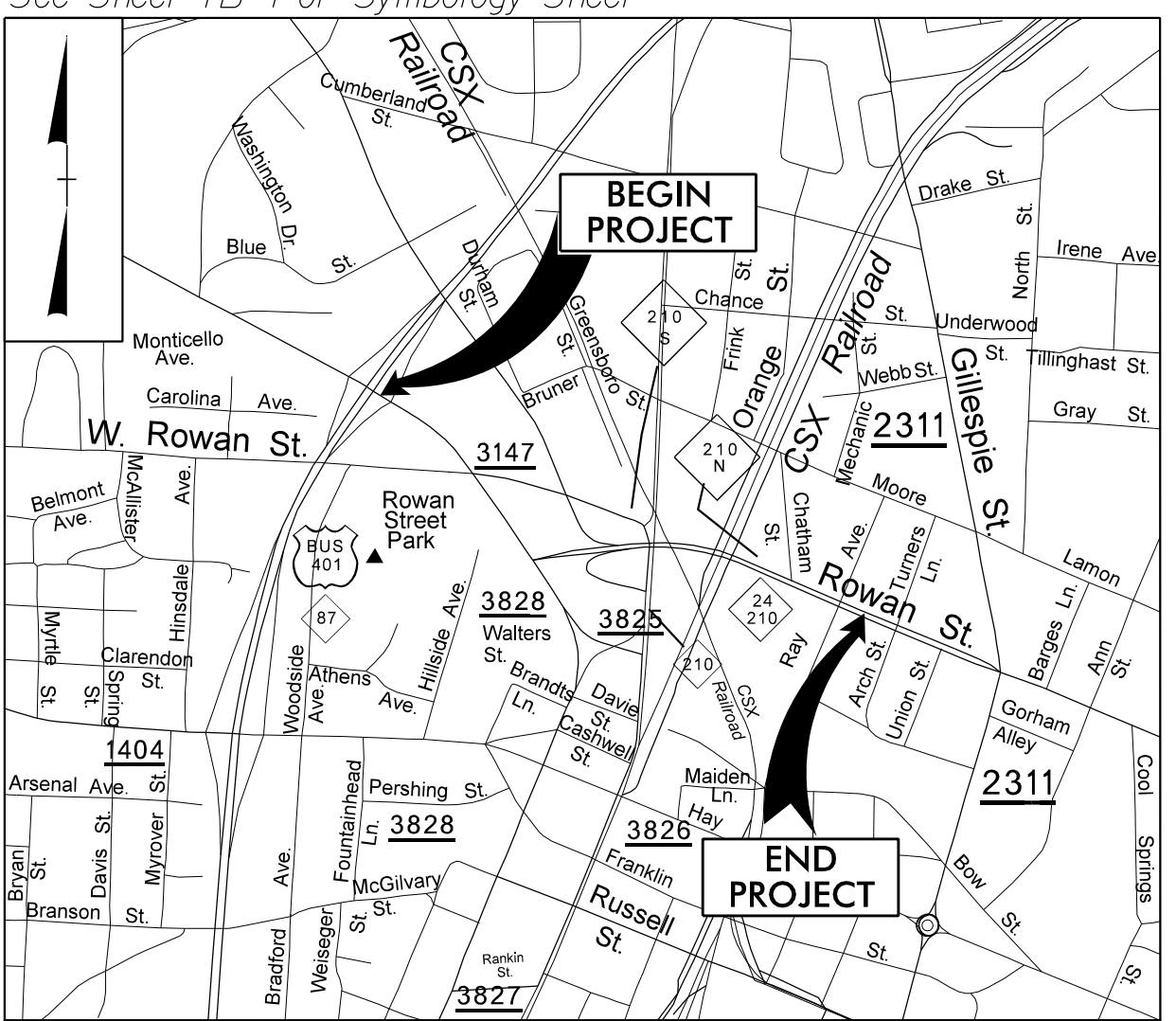
CUMBERLAND COUNTY

LOCATION: BRIDGE NO. 116 OVER CSX RAILROAD, NORFOLK SOUTHERN RAILROAD, AND HILLSBORO STREET ON NC/24-210 (ROWAN STREET)

TYPE OF WORK: GRADING, PAVING, DRAINAGE, SIGNALS, RETAINING WALLS AND STRUCTURES

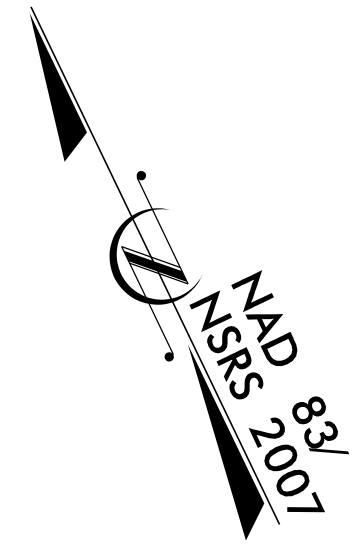
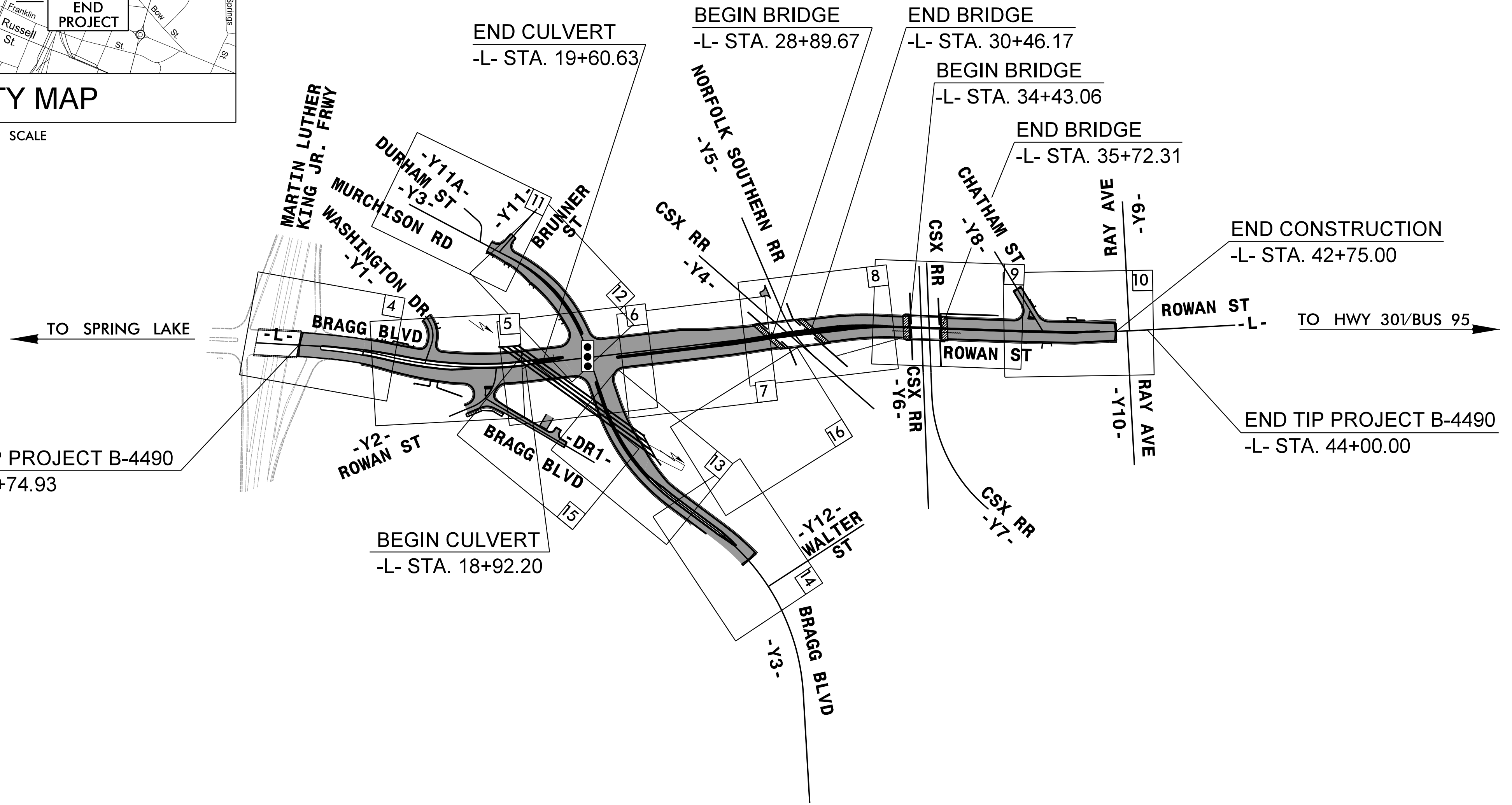
TIP PROJECT: B-4490

CONTRACT: C203659



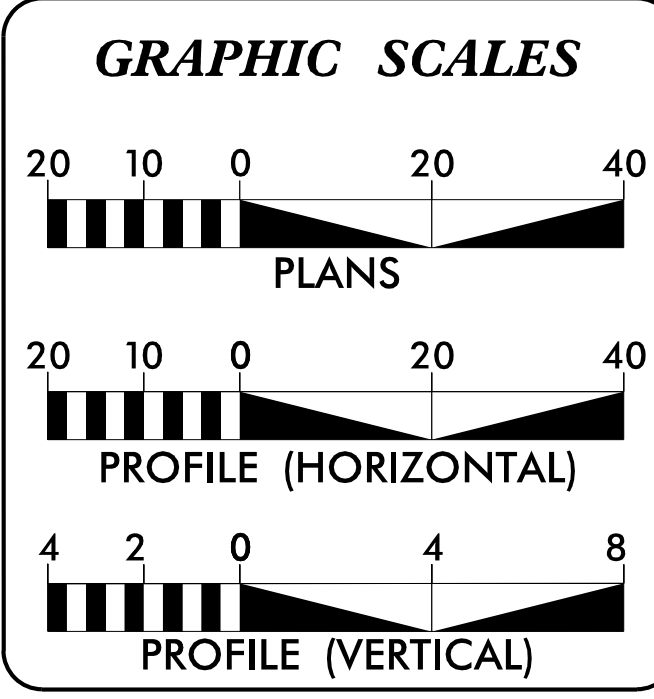
VICINITY MAP

NOT TO SCALE



DESIGN EXCEPTIONS REQUIRED FOR MAXIMUM GRADE, SAG VERTICAL CURVE K, VERTICAL STOPPING SIGHT DISTANCE, AND SUPERELEVATION.

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



DESIGN DATA

ADT 2015 =	34,813
ADT 2035 =	47,596
DHV =	10 %
D =	55 %
T =	3 % *
V =	40 MPH
(* TTST 1% + DUAL 2%)	
FUNC CLASS =	URBAN
PRINCIPAL ARTERIAL	
STATEWIDE TIER	

PROJECT LENGTH

LENGTH ROADWAY TIP PROJECT B-4490 =	0.582 MILES
LENGTH STRUCTURE TIP PROJECT B-4490 =	0.067 MILES
TOTAL LENGTH TIP PROJECT B-4490 =	0.649 MILES

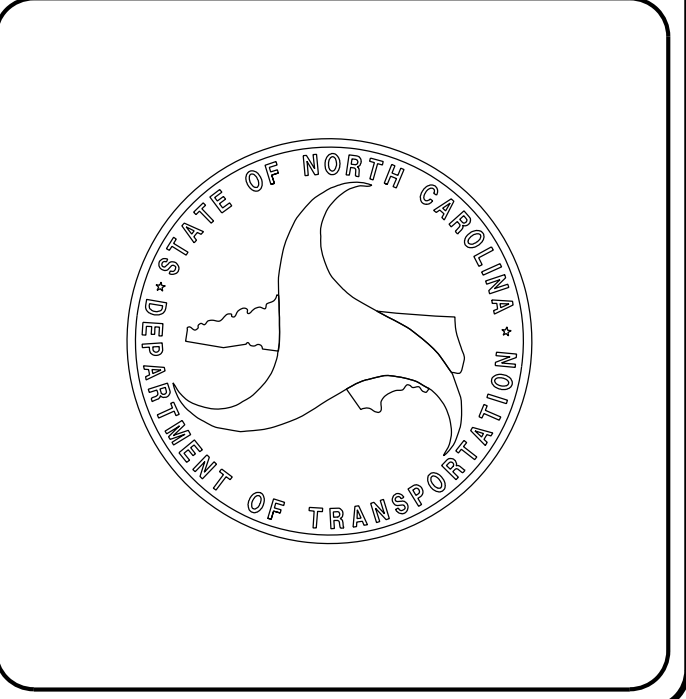
PLANS PREPARED BY: PARSONS BRINCKERHOFF 434 FAYETTEVILLE STREET SUITE 1500 RALEIGH, NC 27601 LICENSE: NC-E-0465	PLANS PREPARED FOR: DIVISION OF HIGHWAYS 1000 Birch Ridge Dr. Raleigh NC, 27610
2012 STANDARD SPECIFICATIONS	
RIGHT OF WAY DATE: DECEMBER 31, 2013	TIM HAYES, PE PROJECT ENGINEER
LETTING DATE: JULY 19, 2016	ERIC MISAK PROJECT DESIGN ENGINEER
NCDOT CONTACT:	REKHA V. PATEL, PE

HYDROLOGIC ENGINEER

DocuSigned by:
Gregory A. Freese
SIGNATURE: _____ P.E.

ROADWAY DESIGN ENGINEER

DocuSigned by:
Timothy Scott Hayes
SIGNATURE: _____ P.E.



3:40:36 PM
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6/3/2016