

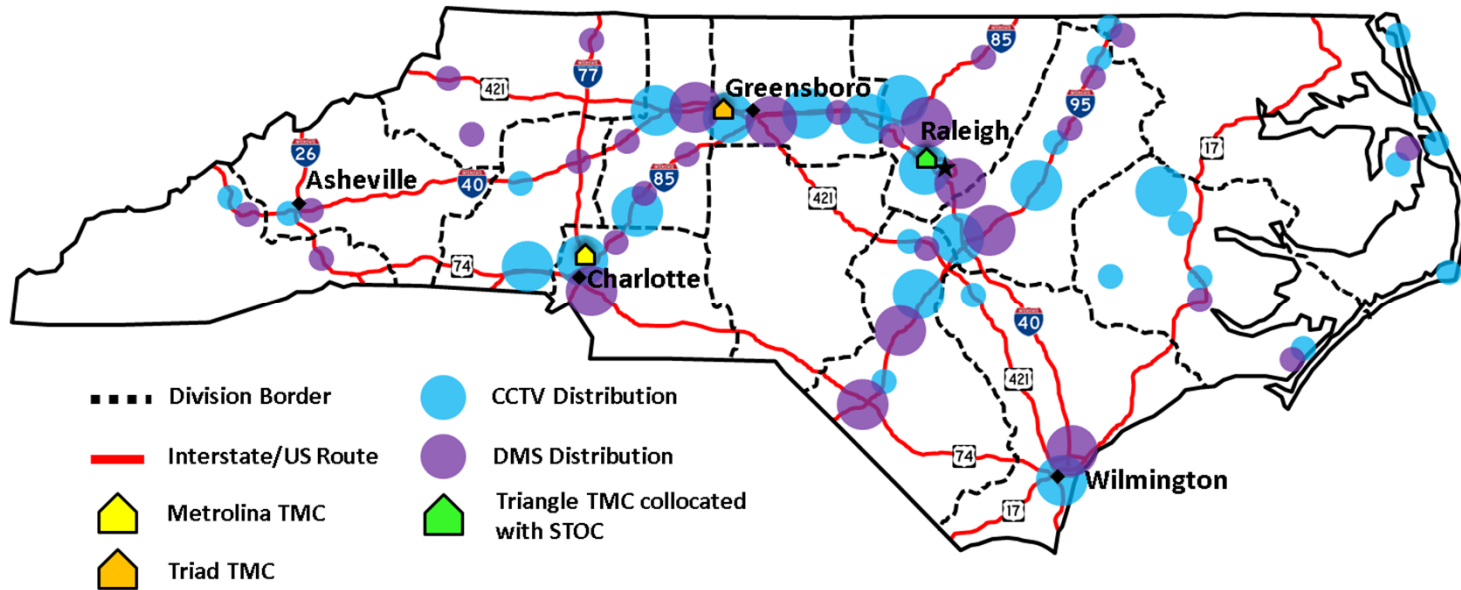
# **NORTH CAROLINA**

Department of Transportation

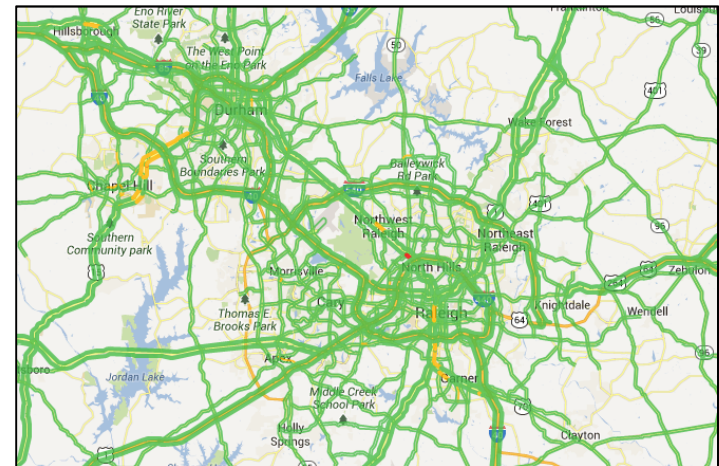


## Today – Overview of ITS in North Carolina

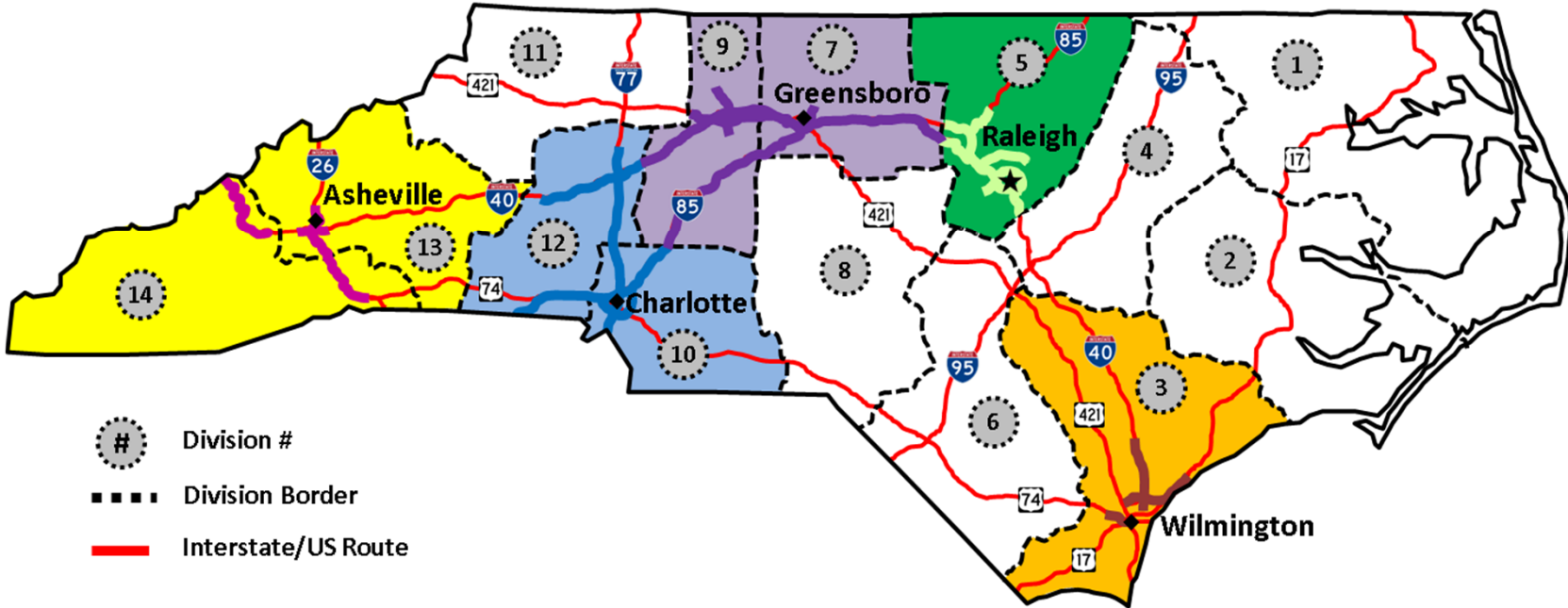
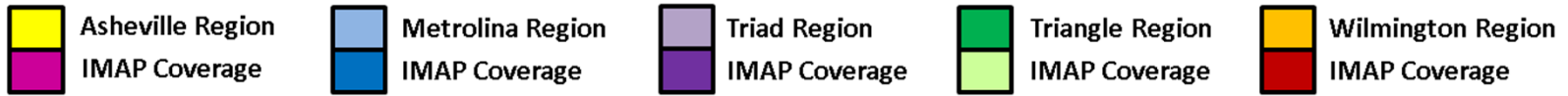
Meredith McDiarmid, PE, CPM  
February 11, 2017






Intelligent Transportation System (ITS) Coverage		
Region	CCTV	DMS
Asheville	35	21
Metrolina	117	37
Triad	331	60
Triangle	266	57
Wilmington	42	15
STOC	337	101
<b>TOTAL</b>	<b>1,128</b>	<b>291</b>



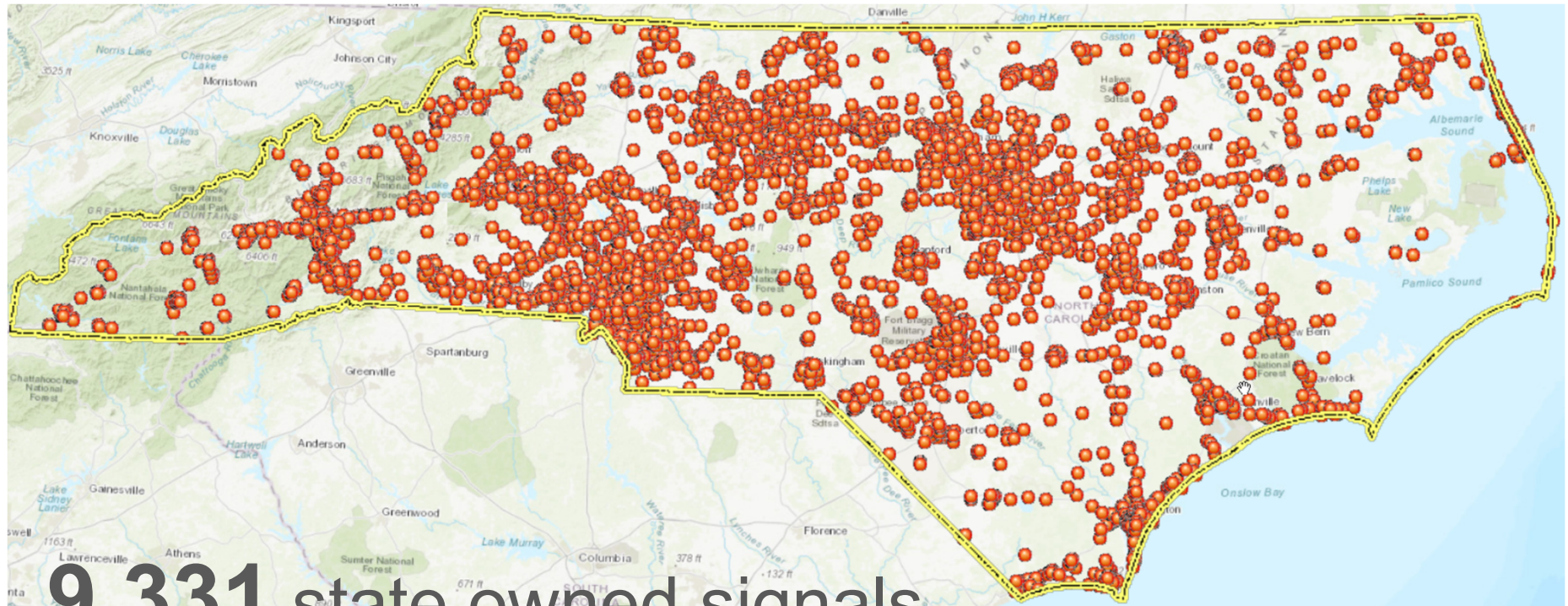
**Speed Detection Coverage:**  
**17,000 miles** of NC Interstates,  
 Primary Routes, and Arterial Routes



-  Division #
-  Division Border
-  Interstate/US Route

Regional Roadway Characteristics			IMAP Coverage & Annual Stops		
Region	CL Miles Maintained	Interstate CL Miles	Region	CL Miles Patrolled	Annual IMAP Stops
Asheville	10,050	181	Asheville*	173	9,193
Metrolina	11,025	243	Metrolina	201	23,830
Triad	10,553	237	Triad*	269	15,184
Triangle	6,580	149	Triangle*	148	13,685
Wilmington	5,603	100	Wilmington*	52	1,033
Rural Divisions	35,727	385	TOTAL	<b>843</b>	<b>62,925</b>
<b>TOTAL</b>	<b>79,538</b>	<b>1,295</b>	*IMAP Regions dispatched by STOC operators		

# Signals

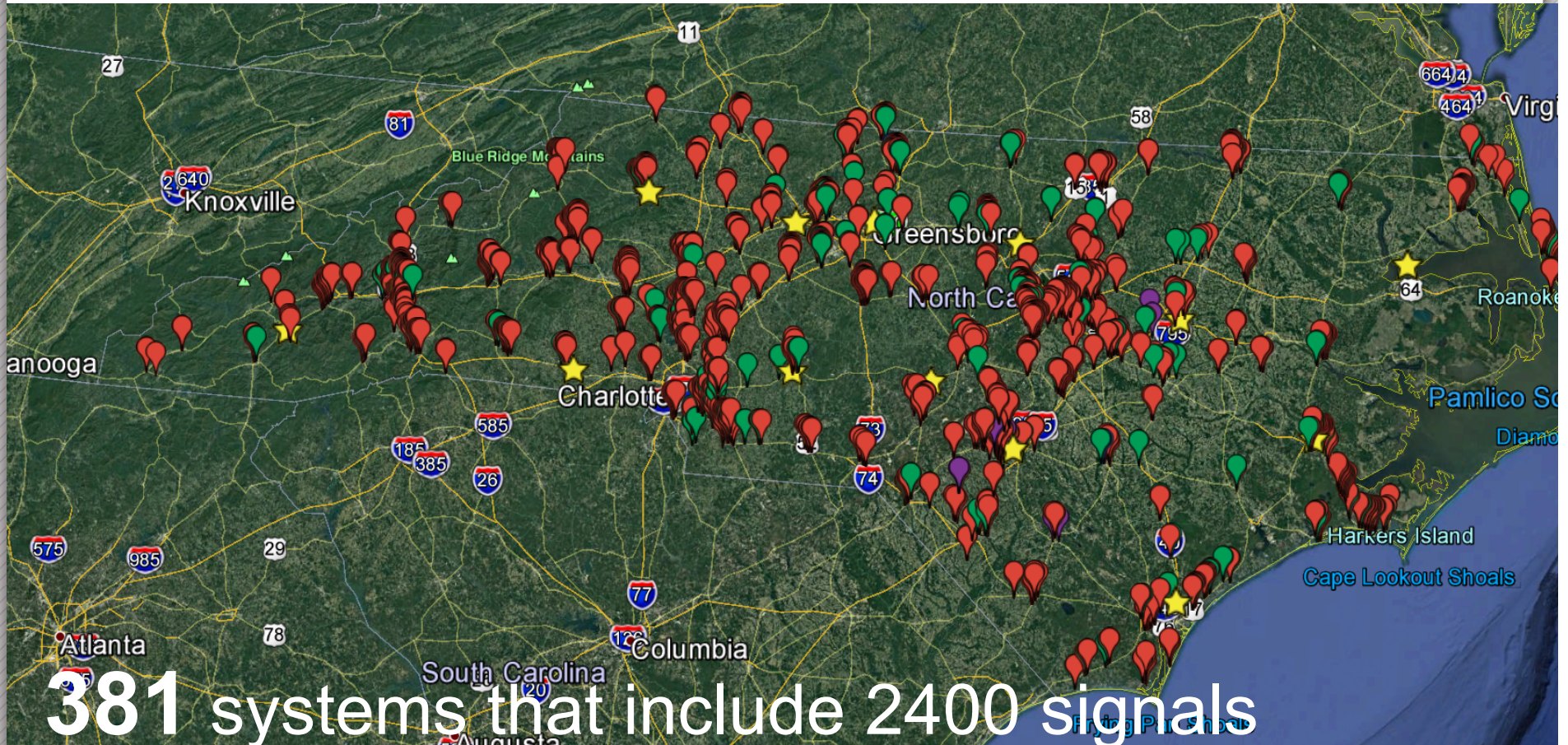


**9,331** state owned signals

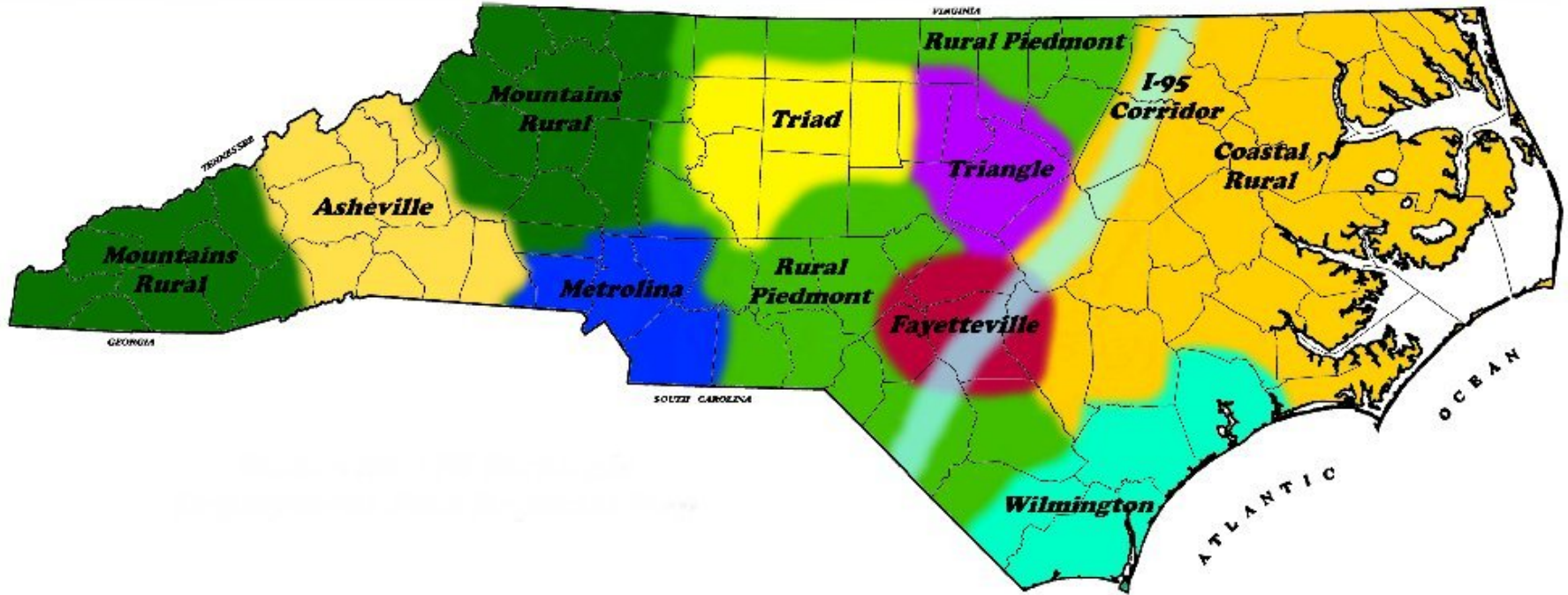
3,632 operated by municipalities

5,499 operated by NCDOT

# Signals in Systems



# Planning



# Design

10/20/2010 10:00 AM

**TIP PROJECT: I-5710**

**CONTRACT: C203791**



NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
**WAKE COUNTY**

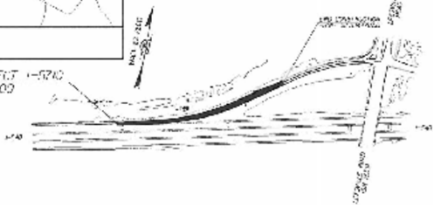
**LOCATION:** WEST BOUND RAMP ALONG I-85 AT SR 1859 (LEESVILLE ROAD),  
NC 50 (CREEDMOOR ROAD), SR 1005 (SIX FORKS ROAD), AND  
SR 2000 (FALLS OF NEUSE ROAD)

**TYPE OF WORK:** INSTALLING RAMP METERS - WIDENING, GRADING,  
PAVING, DRAINAGE, RETAINING WALL, ITS, AND SIGNALS

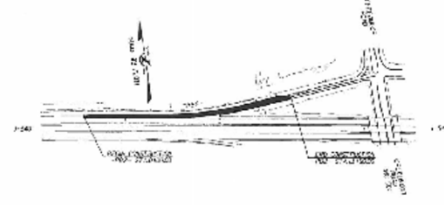
STATE	STATE MONEY APPROPRIATION	FED. AID
N.C.	I-5710	ITS-1
CONTRACT	PROJECT	DESCRIPTION
C203791	NHP-054935	PE
	NHP-054935	CON-STS



**LEESVILLE ROAD - ITS-12 - ITS-14**



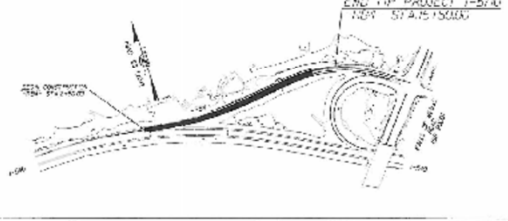
**CREEDMOOR ROAD - ITS-15 - ITS-17**



**SIX FORKS ROAD - ITS-18 - ITS-20**



**FALLS OF NEUSE ROAD - ITS-21 - ITS-23**



2012 STANDARD SPECIFICATIONS  
LETTING DATE: SEPT. 20, 2015  
PROJECT LENGTH = 0.921 MILES

IN CHARGE: Patrick G. Smith, NC 2755  
KEY CONTACT:  
TRANSPORTATION MOBILITY & SAFETY DIVISION  
INTELLIGENT TRANSPORTATION SYSTEMS SECTION  
3601 N. GARDEN ST. - SUITE 700 A - RAYNES PARKWAY  
Raleigh, NC 27605-1200  
PHONE: 919-872-1000 FAX: 919-872-1000

**ATKINS**  
5700 W. DAVIS AVENUE, SUITE 200  
DURHAM, NC 27707-1400  
PHONE: 919-286-1000 FAX: 919-286-1000

DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

H. ALBERT BOWMETT, PE - CHIEF PROJECT MANAGER  
D. KEVIN BROWN, PE - CHIEF DESIGN PROJECT MANAGER  
MICHAEL BLANKENBOM, PE - ATKINS PROJECT ENGINEER

10/20/2010 10:00 AM

# Operations



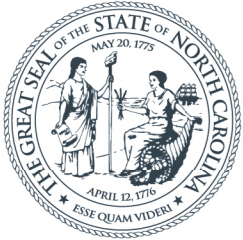


# Collaboration



# Integration





## **NORTH CAROLINA**

Department of Transportation



# Today – Overview of ITS in North Carolina

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