



**NORTH CAROLINA**  
Department of Transportation

# Transportation Update – City of Winston Salem Public Works Committee

John P. Rhyne, PE  
Division Engineer  
December 9th, 2025

Connecting people, products and places safely and efficiently with customer focus, accountability and environmental sensitivity to enhance the economy and vitality of North Carolina



**NORTH CAROLINA**  
Department of Transportation

# Agenda

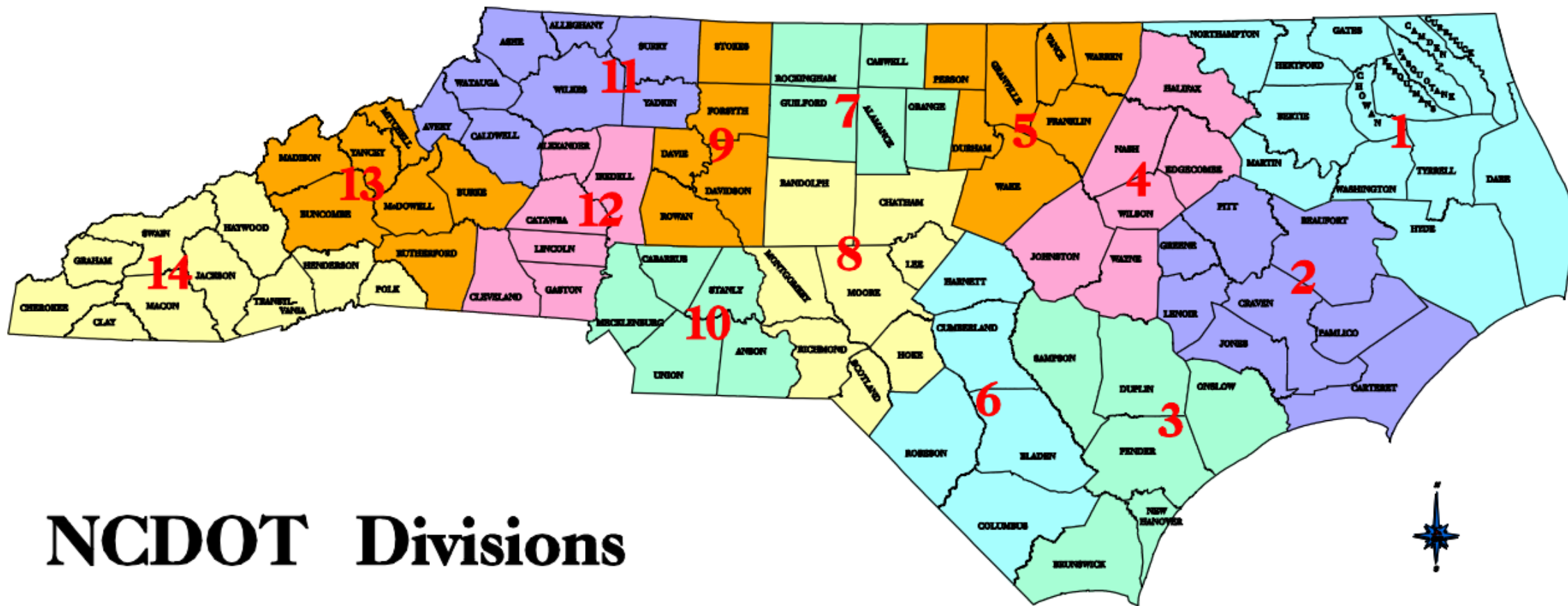
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Division 9

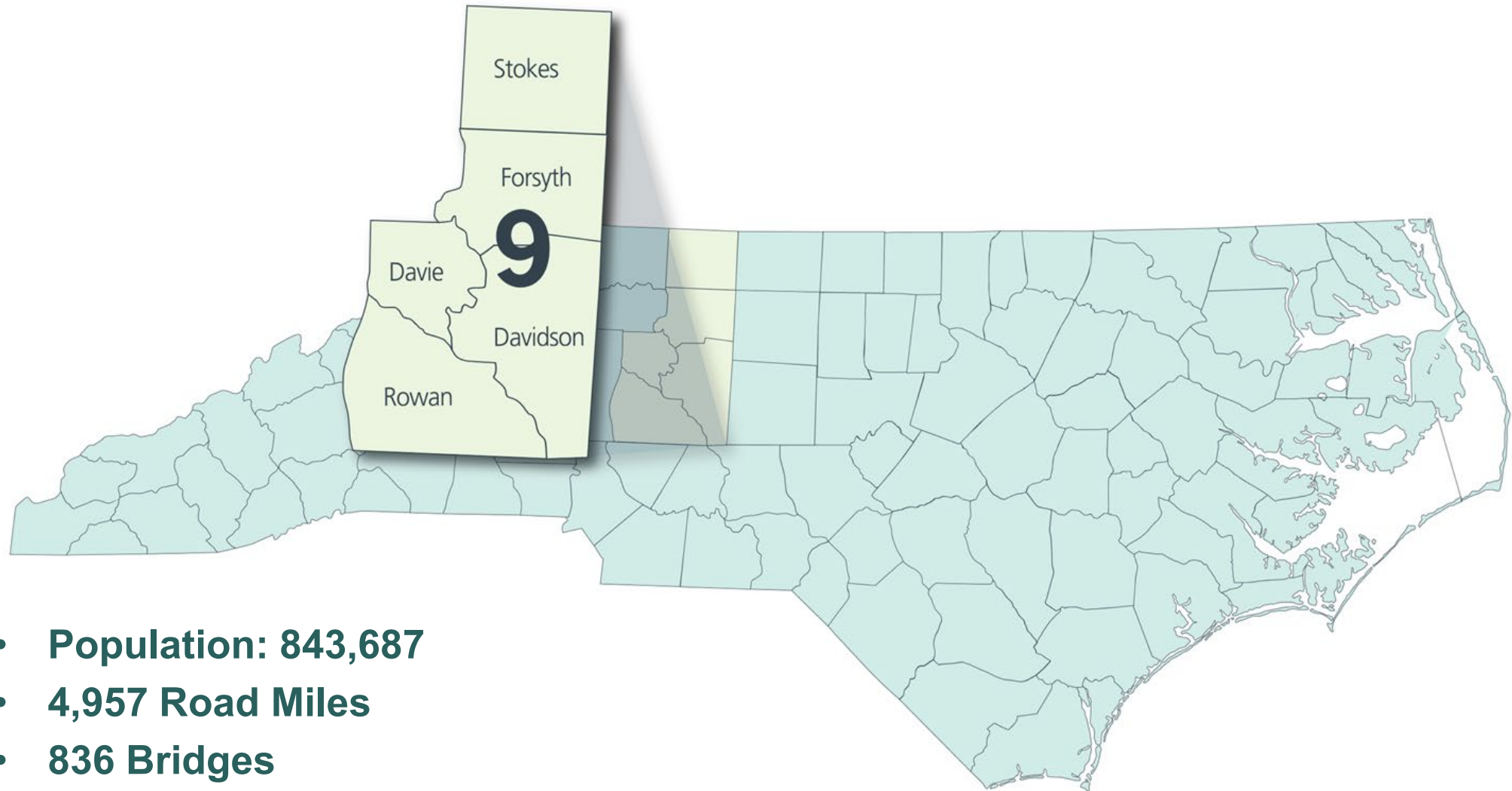
Current Projects

Up Coming Projects

Connecting people, products and places safely and efficiently with customer focus, accountability and environmental sensitivity to enhance the economy and vitality of North Carolina

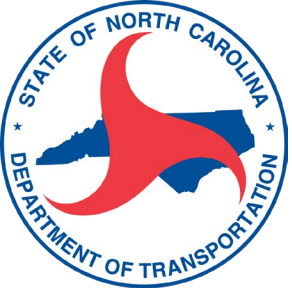


# NCDOT Divisions



- **Population: 843,687**
- **4,957 Road Miles**
- **836 Bridges**
- **380 Permanent Employees**





## Division 9

### Project Development

- Project Scoping
- Environmental Review
- Project Design
- Contract Developmental

### Construction

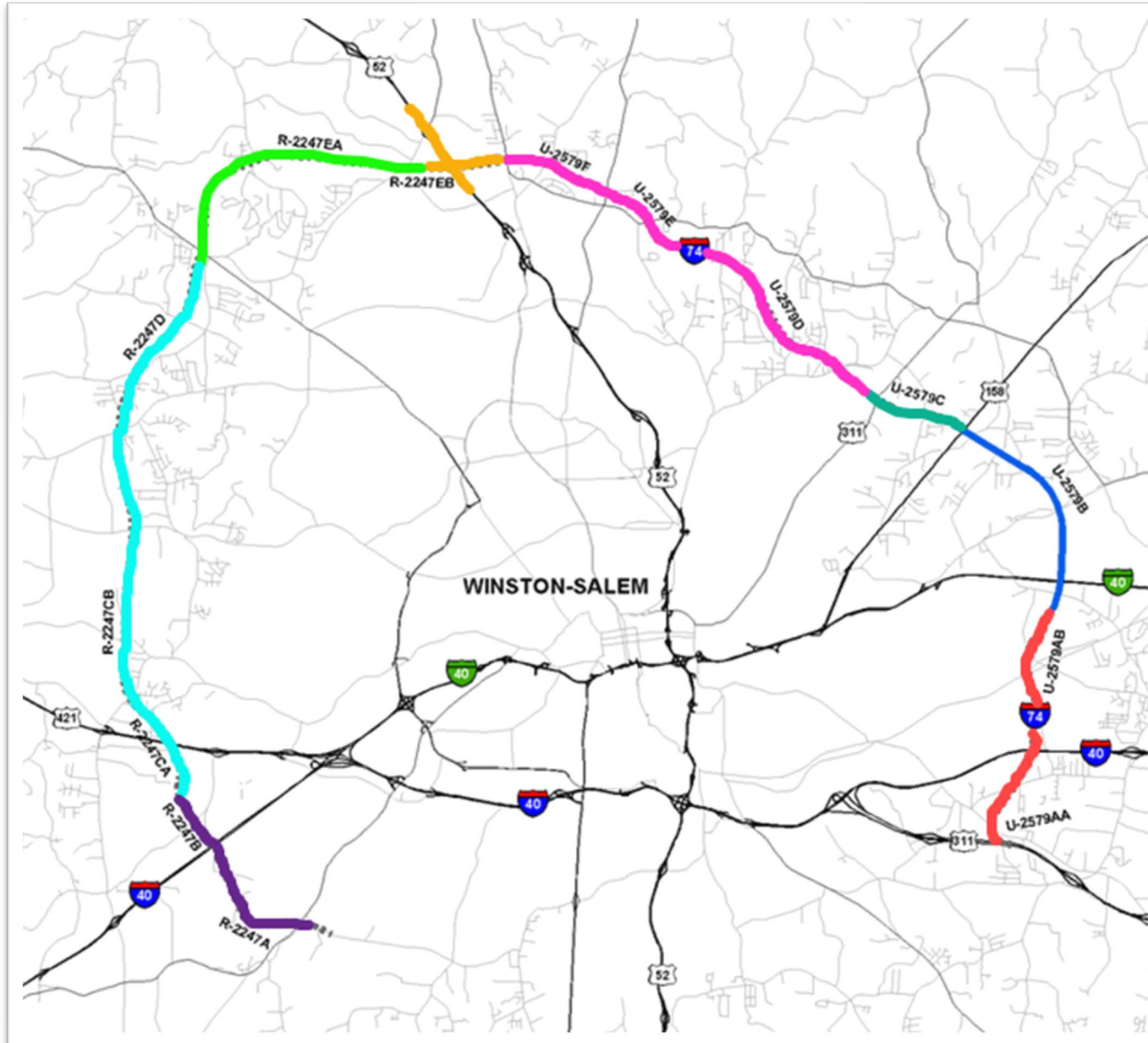
- Contract Administration
- Construction Inspection & Documentation

### Maintenance & Operations

- Roadway Maintenance
- Traffic Engineer & Operations
- Bridge Maintenance
- Roadside Environmental
- TMC & IMAP
- Equipment Department

# Current Projects

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## Northern Beltway Project Status

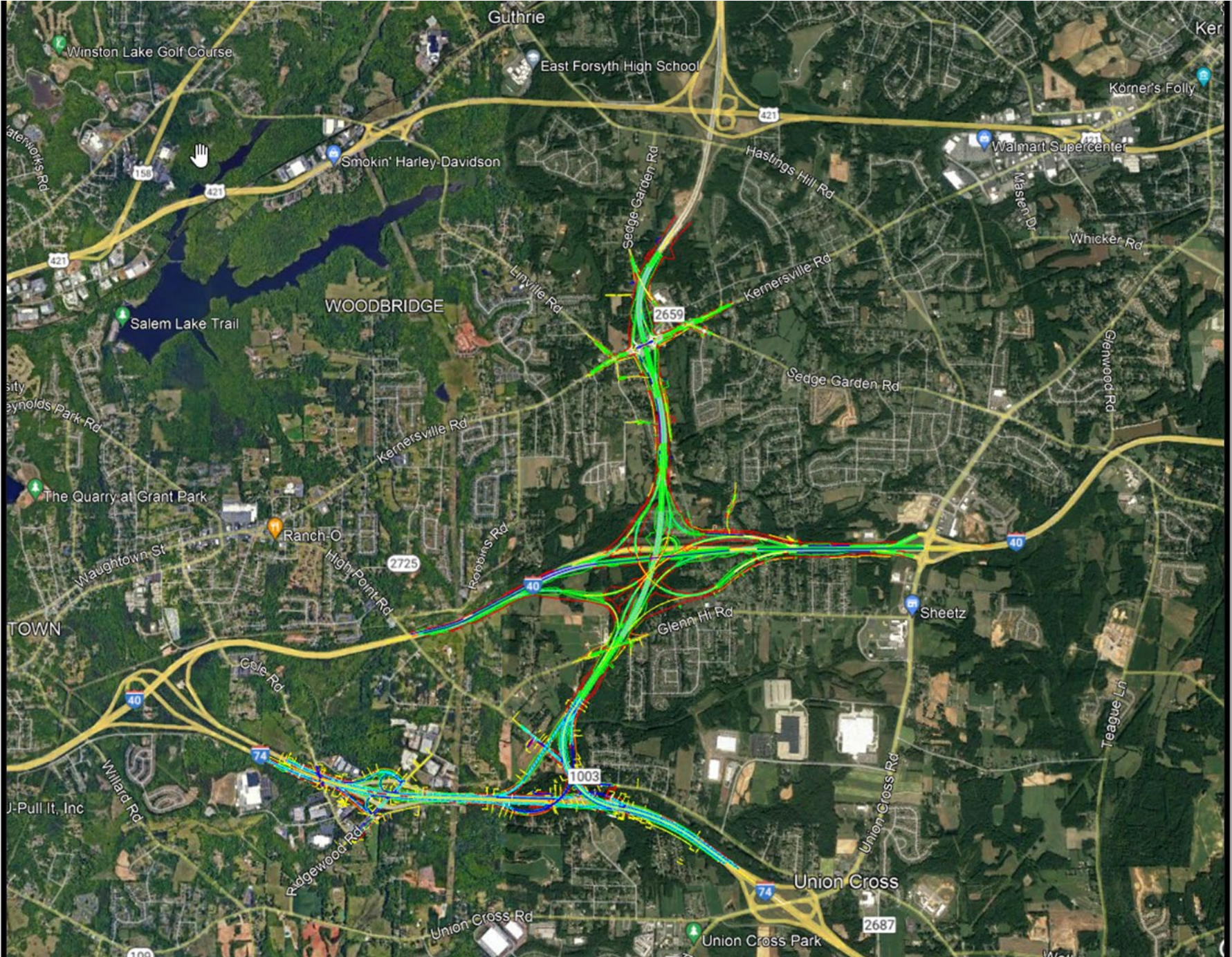
(based on 2026-2035 STIP)

- U-2579AB/AA: Under Construction; Completion Fall 2026
- U-2579B: Opened August 2020
- U-2579C: Opened December 2020
- U-2579DEF: Opened November 2022
- R-2247EB: Complete Summer 2025
- R-2247EA: ROW 2027; Construction 2030
- R-2247D: ROW 2027; Construction 2032
- R-2247/CB/CA/B: Preliminary Engineering ONLY
- R-2247A: Not Funded

## Northern Beltway – R-2247EB – US-52 and I-74 Interchange









## Northern Beltway – R-2579AA – I-40 to US 311/74





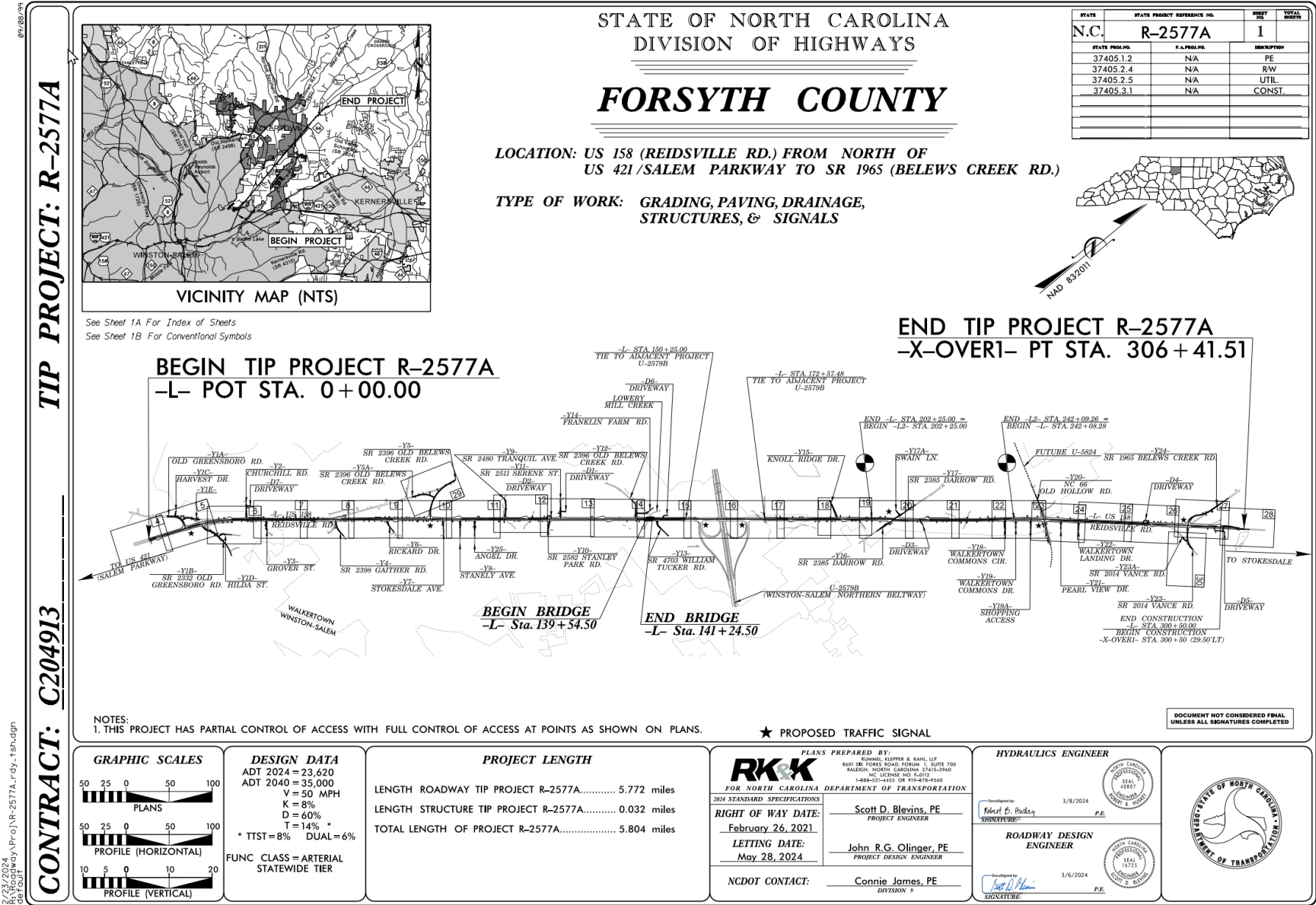
## Northern Beltway – R-2579AB – US 421 to I-40



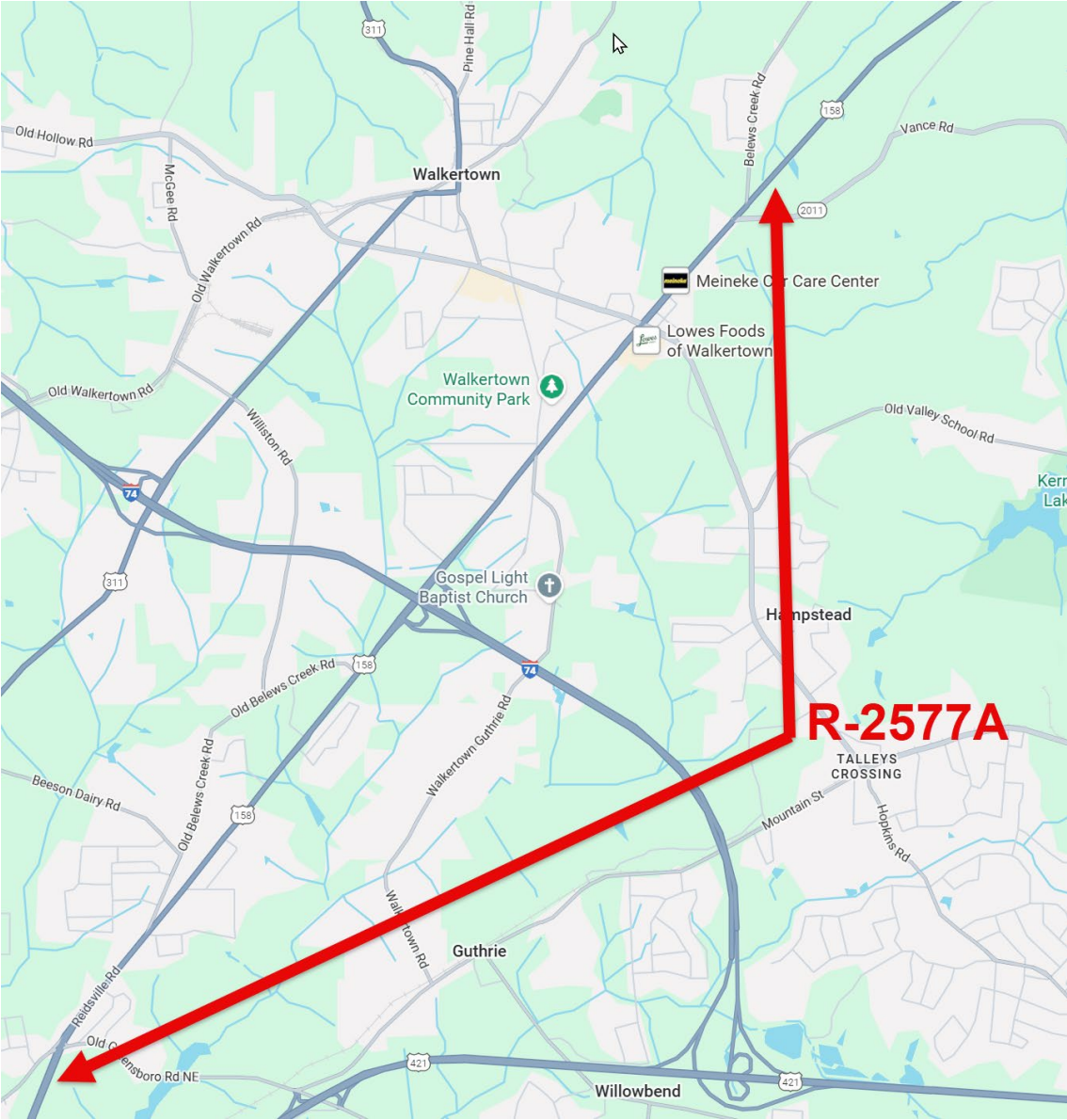


R-2577A-US 158 –  
Reidsville Road

- Widen to Multilanes from north of Salem Parkway / US 421 to Belews Creek Road
- Let -May 2024
- Progress – 27%
- Completion – March 2029
- \$87,840,561
- Contractor – APAC Atlantic/Smith-Rowe







R-2577A-US 158 –  
Reidsville Road



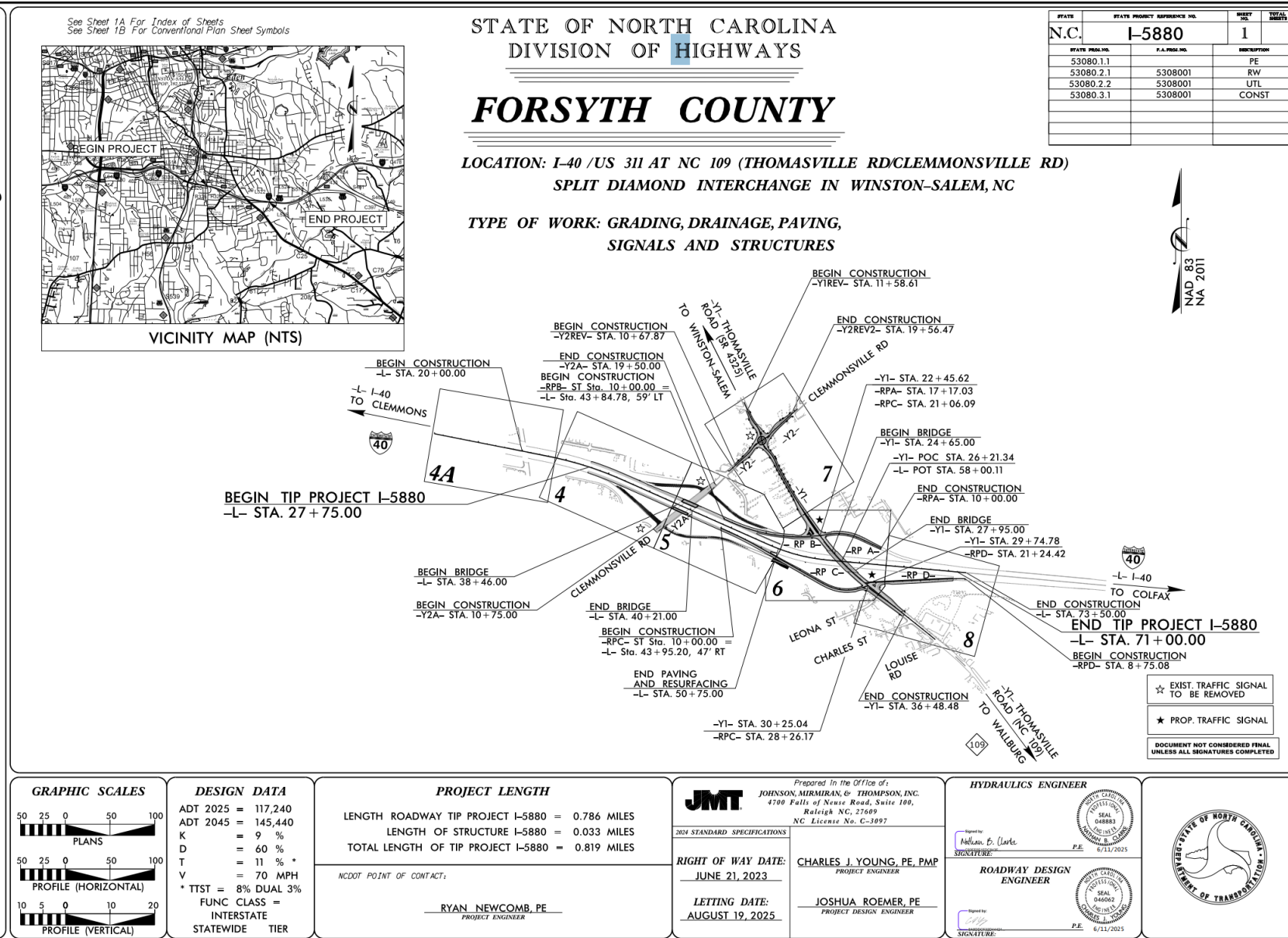


# I-5880 – I-40 / US 311 / NC 109

- Rebuild of Split Diamond Interchange into traditional Diamond
- Let – August 2025
- Progress – 0%
- Completion – January 2030
- Bid - \$38,891,435
- Blythe Construction

TIP PROJECT: I-5880

CONTRACT: C204975





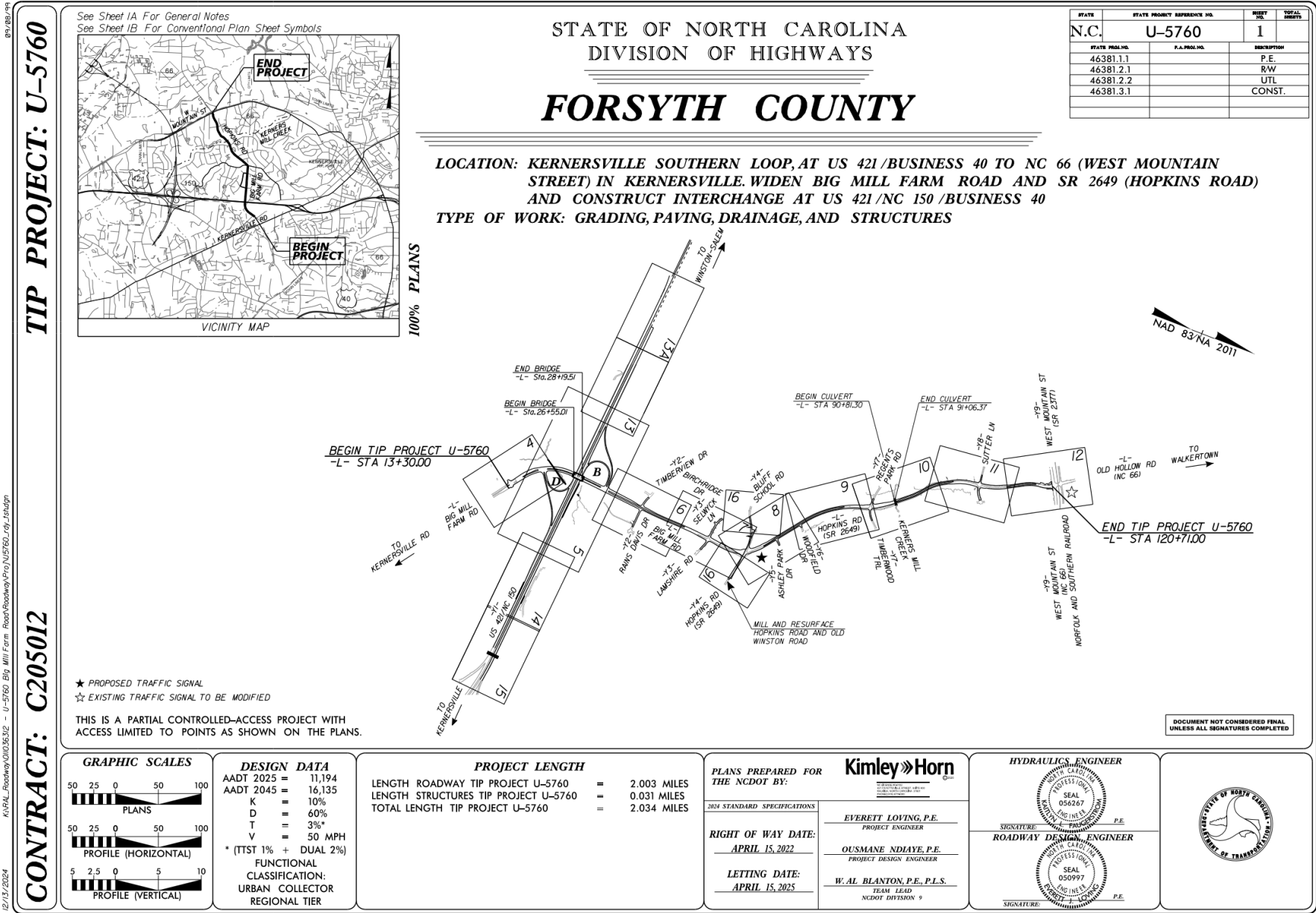
I-5880 – I-40 / US 311 /  
NC 109



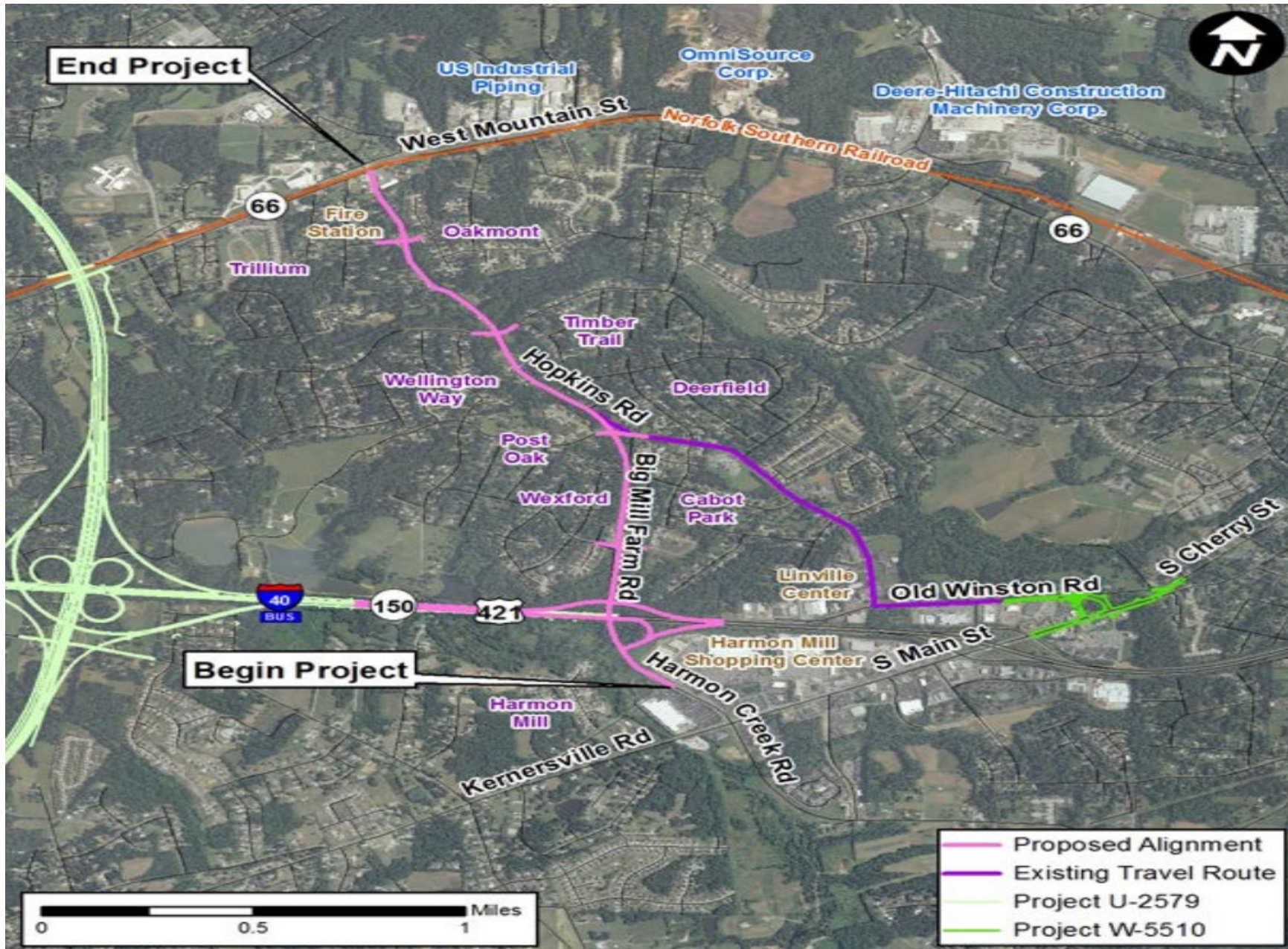


U-5760 – US 421  
Interchange and widen  
and extend  
Hopkins/Big Mill Farm  
Road

- Kernersville Southern Loop (P1), widen and extend Hopkins/Big Mill Farm Rd to new interchange at US 421
- Let – November 2025
- Progress – 0%
- Completion – Jan. 2031
- Bid - \$59,776,710
- APAC Atlantic / Smith Rowe JV

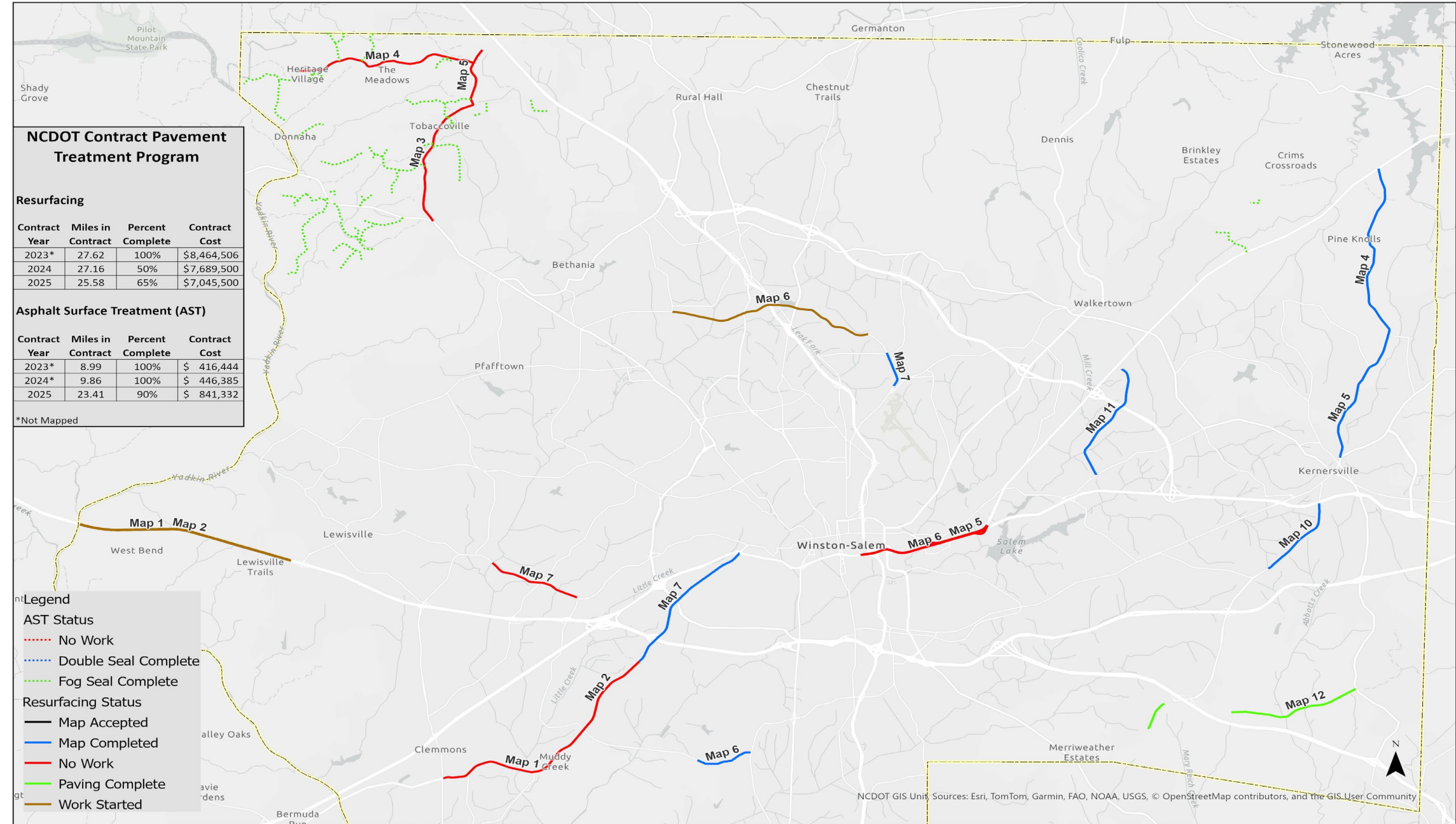






U-5760 – US 421  
Interchange and  
widen and extend  
Hopkins/Big Mill  
Farm Road







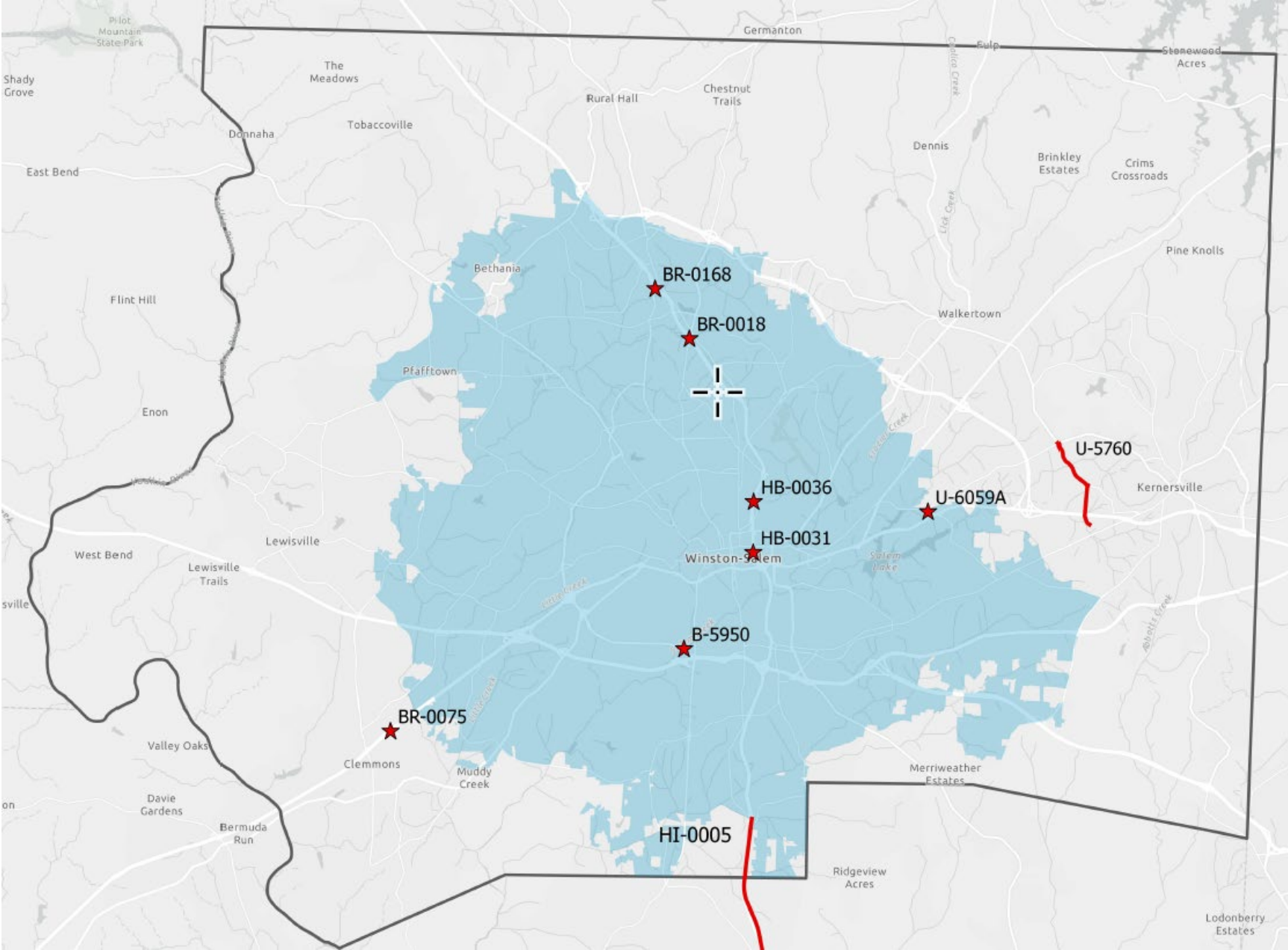
# Up Coming Projects

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## 36 MONTH CENTRAL & ALTERNATIVE DELIVERY LET LIST (NOVEMBER 2025 - OCTOBER 2028)

<u>Let Date</u>	<u>Project ID</u>	<u>Let Type Description</u>	<u>WBS Element</u>	<u>Div</u>	<u>County</u>	<u>Project Description</u>	<u>CON Estimate</u>
11/18/2025	U-5760	Division Design Raleigh Let (DDRL)	46381.3.1	9	FORSYTH	KERNERSVILLE SOUTHERN LOOP, AT US 421/BUSINESS 40 TO NC 66 (WEST MOUNTAIN STREET) IN KERNERSVILLE. WIDEN BIG MILL FARM ROAD AND SR 2649 (HOPKINS ROAD) AND CONSTRUCT INTERCHANGE AT US 421 / NC 150/ BUSINESS 40	\$82,500,000
2/17/2026	HI-0005	Division Design Raleigh Let (DDRL)	49996.3.1	9	FORSYTH, DAVIDSON	I-285/US 52/NC 8 FROM SR 3010 (OLD US 52) IN DAVIDSON COUNTY TO SR 4205 (S. MAIN STREET) IN FORSYTH COUNTY PAVEMENT REHABILITATION	\$14,200,000
5/19/2026	BR-0168	Raleigh Letting (LET)	67168.3.1	9	FORSYTH	REPLACE BRIDGE 330289 ON SR4000 OVER US52	\$19,800,000
7/20/2027	B-5950	Division Design Raleigh Let (DDRL)	45985.3.1	9	FORSYTH	REPLACE BRIDGES 330007 AND 330295 OVER SALEM CREEK ON NC 67(WESTBOUND SILAS CREEK PARKWAY) IN WINSTON-SALEM.	\$8,700,000
7/20/2027	BR-0018	Raleigh Letting (LET)	67018.3.1	9	FORSYTH	BRIDGE 330048 ON NC 8 OVER US 52	\$17,200,000
9/21/2027	HB-0036	Division Design Raleigh Let (DDRL)	50946.3.1	9	FORSYTH	SIXTEENTH STREET, REPLACE BRIDGE 330390 OVER RAIL CORRIDOR AND BRIDGE 330244 OVER US 52 / NC 8 IN WINSTON-SALEM.	\$9,800,000
4/18/2028	BR-0075	Division Design Raleigh Let (DDRL)	51605.3.1	9	FORSYTH	REPLACE BRIDGE 330135 OVER I-40 ON SR 1109 (KINNAMON ROAD)	\$12,000,000
8/15/2028	U-6059A	Division Design Raleigh Let (DDRL)	47483.3.2	9	FORSYTH	REPLACE BRIDGE 330211 OVER NORFOLK SOUTHERN RAILROAD ON SR 2377 (OLD GREENSBORO ROAD NE).	\$12,900,000
10/17/2028	HB-0031	Division Design Raleigh Let (DDRL)	50945.3.1	9	FORSYTH	THIRD STREET, FOURTH STREET, FIFTH STREET; REPLACE BRIDGES 185, 191, AND 203 OVER US 52 / US 311 IN DOWNTOWN WINSTON-SALEM.	\$9,500,000





**NORTH CAROLINA**  
Department of Transportation

# Contact Us

**John P. Rhyne, PE**  
[jprhyne@ncdot.gov](mailto:jprhyne@ncdot.gov)

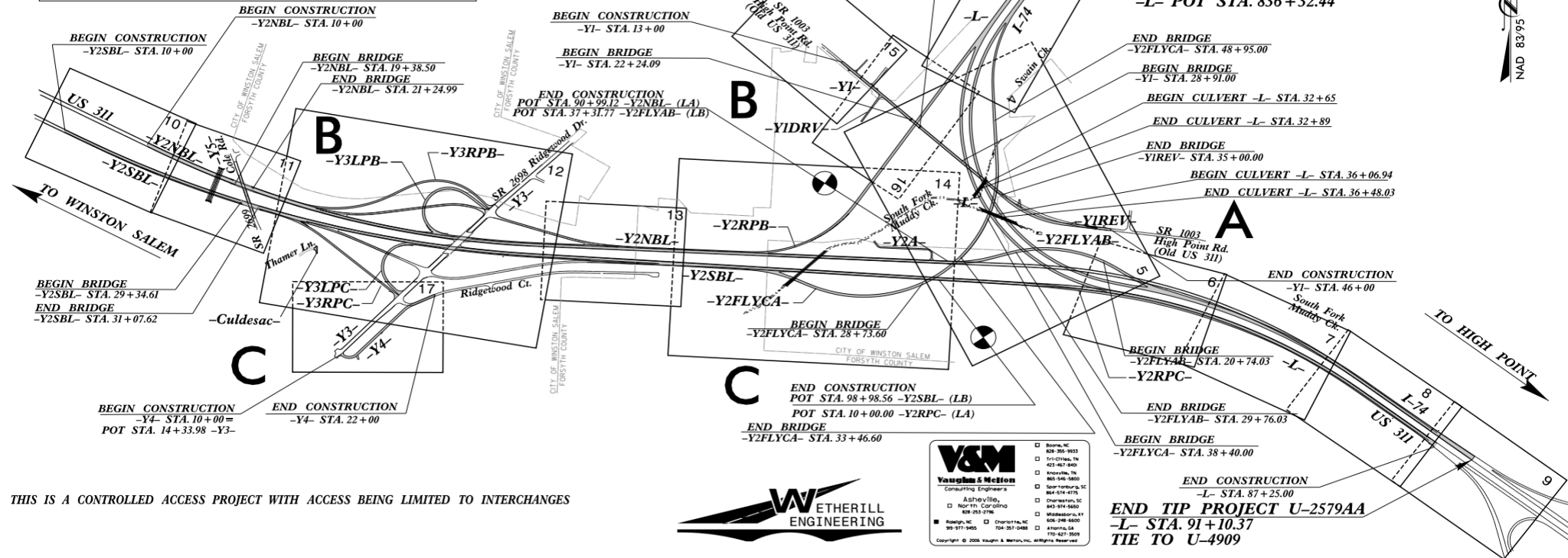
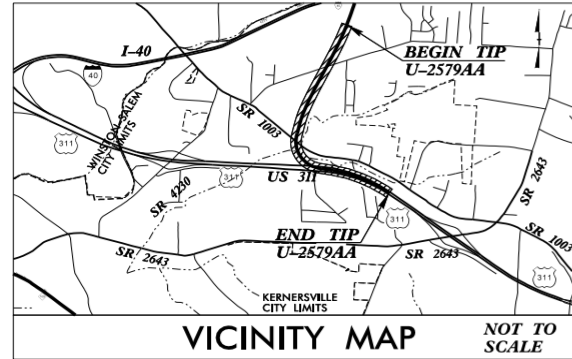
Connecting people, products and places safely and efficiently with customer focus, accountability and environmental sensitivity to enhance the economy and vitality of North Carolina

**Thank you!**



TIP PROJECT: U-2579AA

CONTRACT: C204746

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

THIS IS A CONTROLLED ACCESS PROJECT WITH ACCESS BEING LIMITED TO INTERCHANGES

STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

## FORSYTH COUNTY

LOCATION: WINSTON-SALEM NORTHERN BELTWAY EASTERN SECTION  
(FUTURE I-74) FROM US 311 TO I-40TYPE OF WORK: GRADING, PAVING, DRAINAGE, CULVERTS, RETAINING WALLS,  
STRUCTURES & BRIDGE REHABILITATIONDOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	U-2579AA	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
34839.1.7	N/A	PE	
34839.2.3	N/A	ROW, UTIL.	
34839.3.13	0074226	CONSTRUCTION	

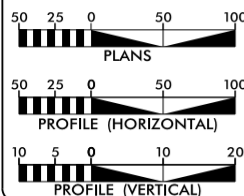


NAD 83/95



Vaughn & Melton  
Consulting Engineers  
Asheville, NC  
Raleigh, NC  
Charlotte, NC  
Durham, NC  
Fayetteville, NC  
Greensboro, NC  
Hickory, NC  
Kinston, NC  
Lenoir, NC  
Mooresville, NC  
New Bern, NC  
Pilot Mountain, NC  
Reno, NC  
Spartanburg, SC  
Wilmington, NC  
Winston-Salem, NC  
Yadkinville, NC  
Zionsville, NC

## GRAPHIC SCALES



## DESIGN DATA

ADT 2020 = 10,733  
ADT 2040 = 16,400  
K = 9 %  
D = 60 %  
T = 7 % \*  
V = 70 MPH  
\* (TTST = 4% & DUAL = 3%)  
FUNC CLASS = INTERSTATE  
STATEWIDE TIER

## PROJECT LENGTH

LENGTH OF ROADWAY TIP PROJECT U-2579AA = 1.524 MILES  
LENGTH OF STRUCTURES TIP PROJECT U-2579AA = 0.012 MILES  
TOTAL LENGTH TIP PROJECT U-2579AA = 1.536 MILES

Prepared In the Office of:

VAUGHN &amp; MELTON, INC

3509 Haworth Dr. #100, Raleigh NC, 27609 Phone (919)-977-9455

2018 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:  
AUGUST 31, 2018LETTING DATE:  
OCTOBER 18, 2022

NCDOT CONTACT:

JOHN LANSFORD, PE  
PROJECT ENGINEERWARREN JOHNSON  
PROJECT DESIGN ENGINEER

ALLISON K. WHITE

## HYDRAULICS ENGINEER

Designed by: [Signature]  
7/13/2022  
SIGNATURE:

ROADWAY DESIGN  
ENGINEER

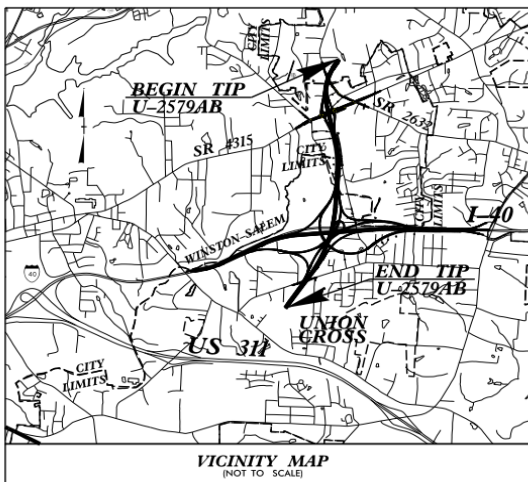
Designed by: [Signature]  
7/13/2022  
SIGNATURE:





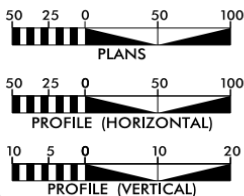
**CONTRACT: C204633****TIP PROJECT: U-2579AB**

See Sheet 1-A For Index of Sheets



**BEGIN TIP PROJECT U-2579AB**  
**END TIP PROJECT U-2579B**  
**-L- STA. 692 + 32.98**

NOTES:  
 THIS IS A CONTROLLED ACCESS PROJECT WITH ACCESS BEING LIMITED TO INTERCHANGES.

**GRAPHIC SCALES****DESIGN DATA**

ADT 2021 = 15,500  
 ADT 2041 = 20,500  
 K = 9 %  
 D = 70 %  
 T = 7 %  
 V = 70 MPH  
 \* TTST = 4% DUAL = 3%  
 FUNC CLASS =  
 INTERSTATE  
 STATEWIDE TIER

**PROJECT LENGTH**

LENGTH ROADWAY TIP PROJECT U-2579AB = 2.722 MILES  
 LENGTH STRUCTURES TIP PROJECT U-2579AB = 0.005 MILES  
 TOTAL LENGTH TIP PROJECT U-2579AB = 2.727 MILES

# STATE OF NORTH CAROLINA

## DIVISION OF HIGHWAYS

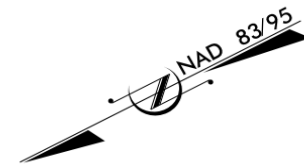
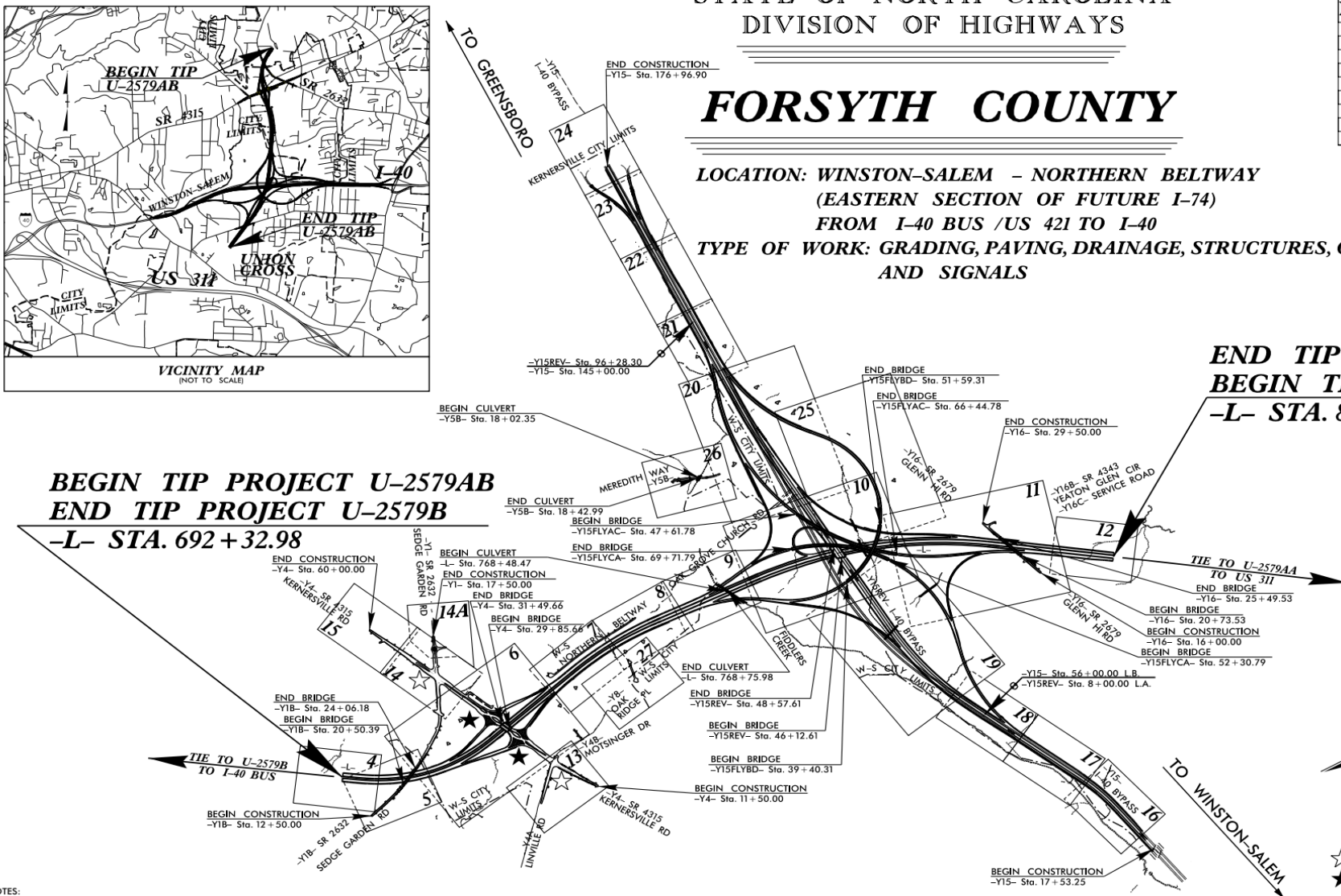
### FORSYTH COUNTY

**LOCATION: WINSTON-SALEM - NORTHERN BELTWAY**  
**(EASTERN SECTION OF FUTURE I-74)**  
**FROM I-40 BUS /US 421 TO I-40**

**TYPE OF WORK: GRADING, PAVING, DRAINAGE, STRUCTURES, CULVERTS**  
**AND SIGNALS**

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	U-2579AB	1	
STATE PROJ. NO.	P.A. PROJ. NO.	DESCRIPTION	
34839.1.8		P.E.	
34839.2.11	Multiple	R/W & Util.	
34839.3.GV5	NHPIM-0040(68)	Constr.	

**END TIP PROJECT U-2579AB**  
**BEGIN TIP PROJECT U-2579AA**  
**-L- STA. 836 + 32.44**



★ MODIFIED SIGNAL  
 ★ PROPOSED SIGNAL

DOCUMENT NOT CONSIDERED FINAL  
 UNLESS ALL SIGNATURES COMPLETED



Prepared in the Office of:  
 HDR Engineering, Inc. of the Carolinas  
 555 Fayetteville St., Suite 900 Raleigh, N.C. 27601  
 N.C.B.E.L.S. License Number: F-0116

2018 STANDARD SPECIFICATIONS

**RIGHT OF WAY DATE:**  
**JUNE 29, 2018**

**LETTING DATE:**  
**DECEMBER 21, 2021**

**PHILLIP E. ROGERS, PE**  
 PROJECT ENGINEER

**CASEY E. HARRIS, PE**  
 PROJECT DESIGN ENGINEER

**ALLISON K. WHITE, PE**  
 NCDOT CONTACT



SIGNATURE 10/13/2021

**HYDRAULICS**  
**ENGINEER**



SIGNATURE 10/13/2021

**ROADWAY DESIGN**  
**ENGINEER**

P.E.

