

Complete 540 Update

Dennis Jernigan, P.E.

April 15, 2024

Providing drivers more choices for their commute



NORTH CAROLINA

Turnpike Authority





Why Tolling?

1 Build Projects Faster

2 More Travel Options

3 Improved Travel Times

4 Additional Funding Source

5 Support Growing Populations

1990

NC Population



2015 NC Population

51%
Population Growth



2050 NC Population

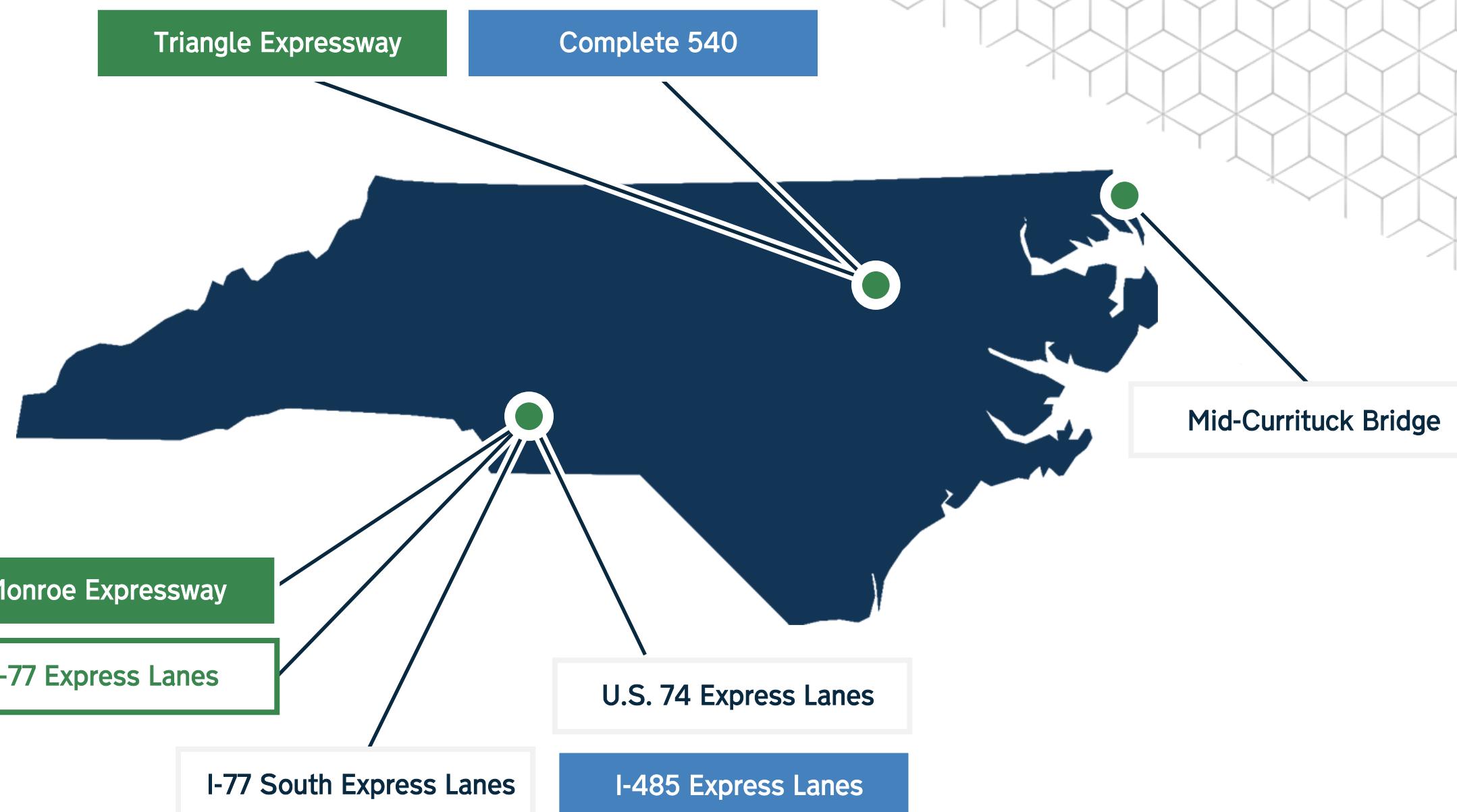
40%
Expected Population
Growth



2050 NC Population

66%
Population in the
Triangle or Charlotte





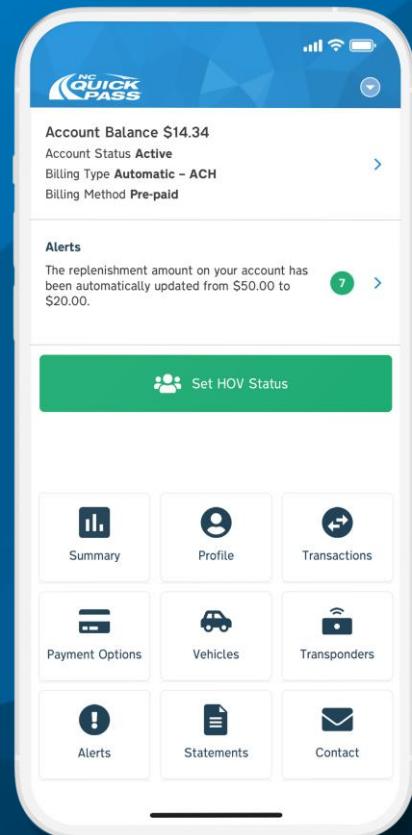
Service



Safety



Innovation



Right of Way

FACT or FICTION?

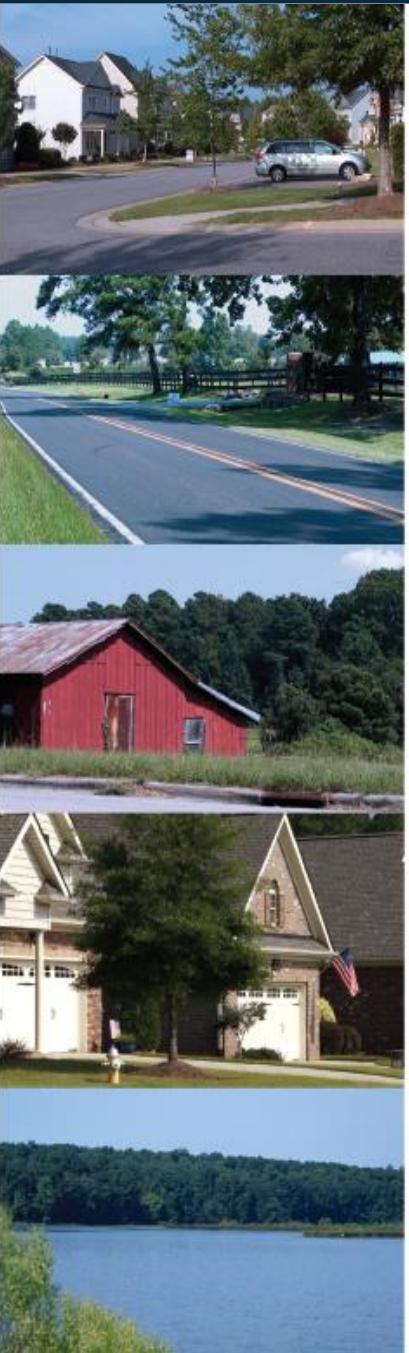
NCDOT tries to acquire property by providing lowball offers to property owners?

FICTION!

Right of Way

In general, the Department's policy for acquisition of rights-of-way on primary and interstate projects mirrors the Federal regulations and requirements established for federally funded acquisitions. The acquisition program requirements are outlined as follows:

- Acquire expeditiously by negotiations;
- Afford owner opportunity to accompany appraiser;
- Establish Just Compensation amount (through appraisal, or substitute methodologies of valuation, where appropriate and consistent with state and/or federal law, of property);
- Disregard increase or decrease in value caused by project;
- Provide written statement of and summary of basis for Just Compensation;
- Owner retains property until paid Fair Market Value or amount deposited in court;
- At least Ninety (90) days occupancy permitted after acquisition offer made;
- If continued occupancy as tenant, rent at market rate;
- Coercion prohibited;
- Property may be condemned, owner not forced to sue to prove taking;
- Offer to acquire uneconomic remnants; and
- Fully informed owner may donate right-of-way.



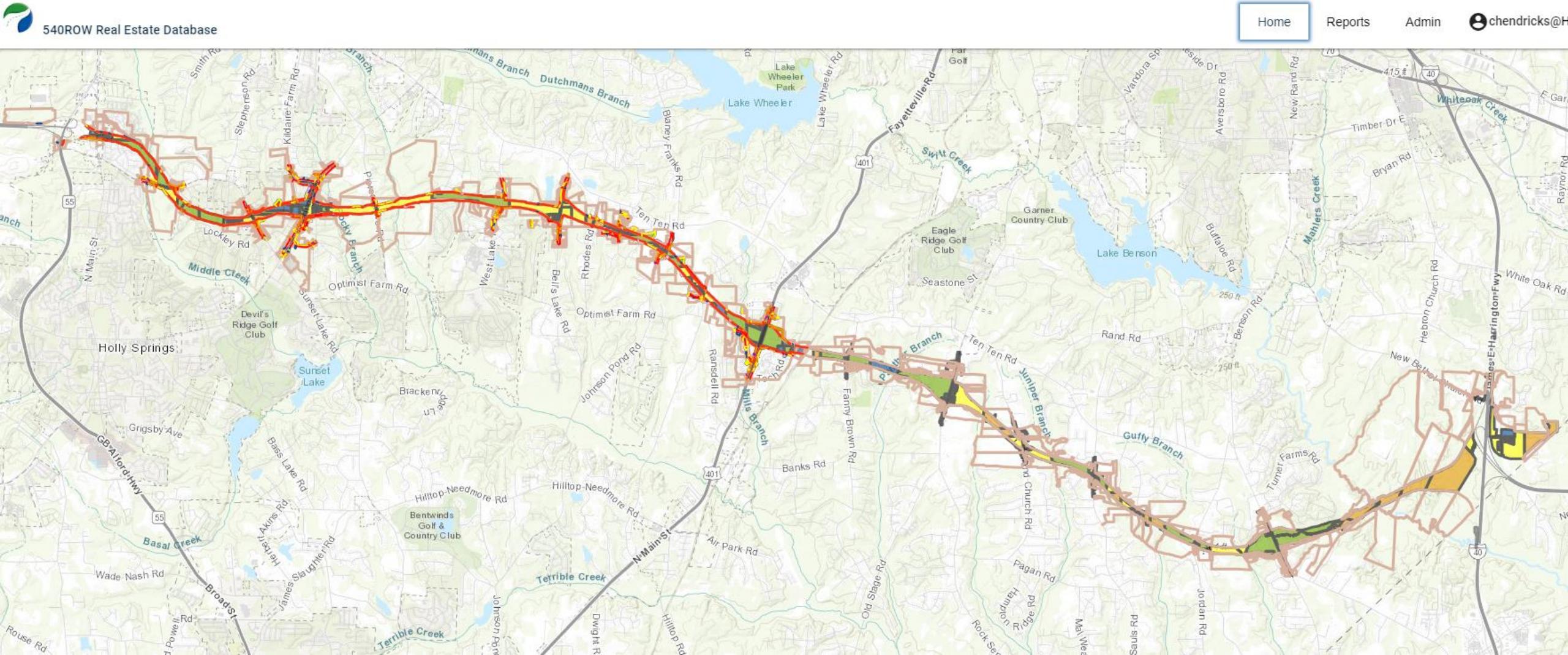
Record of Decision

Complete 540 - Triangle Expressway Southeast Extension

June 2018



Right of Way Tool

[Home](#)[Reports](#)[Admin](#)chendricks@H

Right of Way Tool



Project	Parcel Key	Parcel Status	Priority	Primary Owner	Prop Address	Acq Types
R2721A	1	Settlement	Utility	GEORGE WILLIAMS & JULIA PULLEN HUGHES	0 MOSLEY AVE	Easement, Fee Simple
R2721A	2	Closed/Condemned	Utility	NC DEPARTMENT OF TRANSPORTATION		Easement, Fee Simple
R2721A	3	Closed/Condemned		NC DEPARTMENT OF TRANSPORTATION		Fee Simple

Map Act	To be Condemned	Parcel Access
	No	Yes
Map Act	No	Yes
	No	Yes

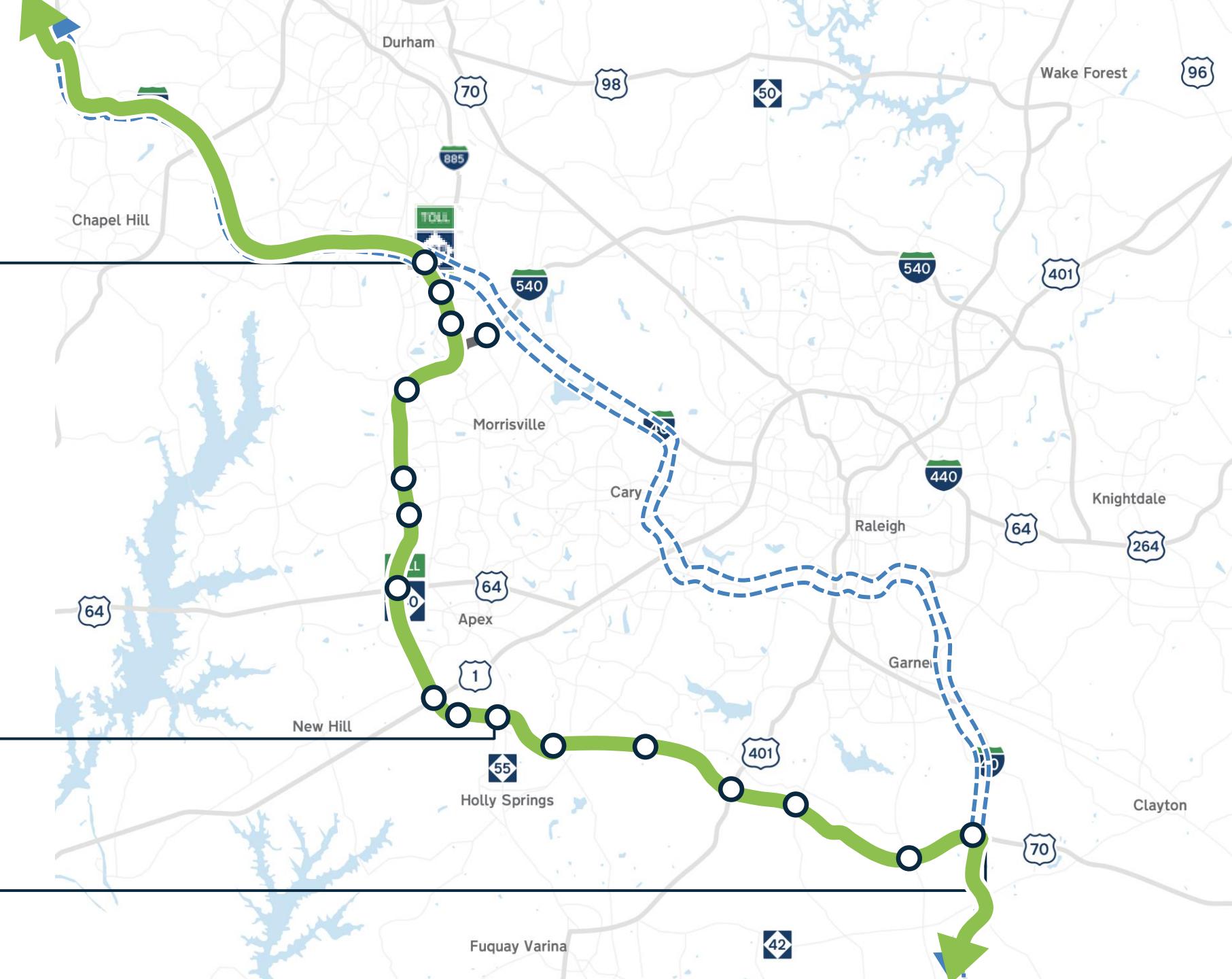
Complete 540
Phase 1 Construction

Triangle Expressway

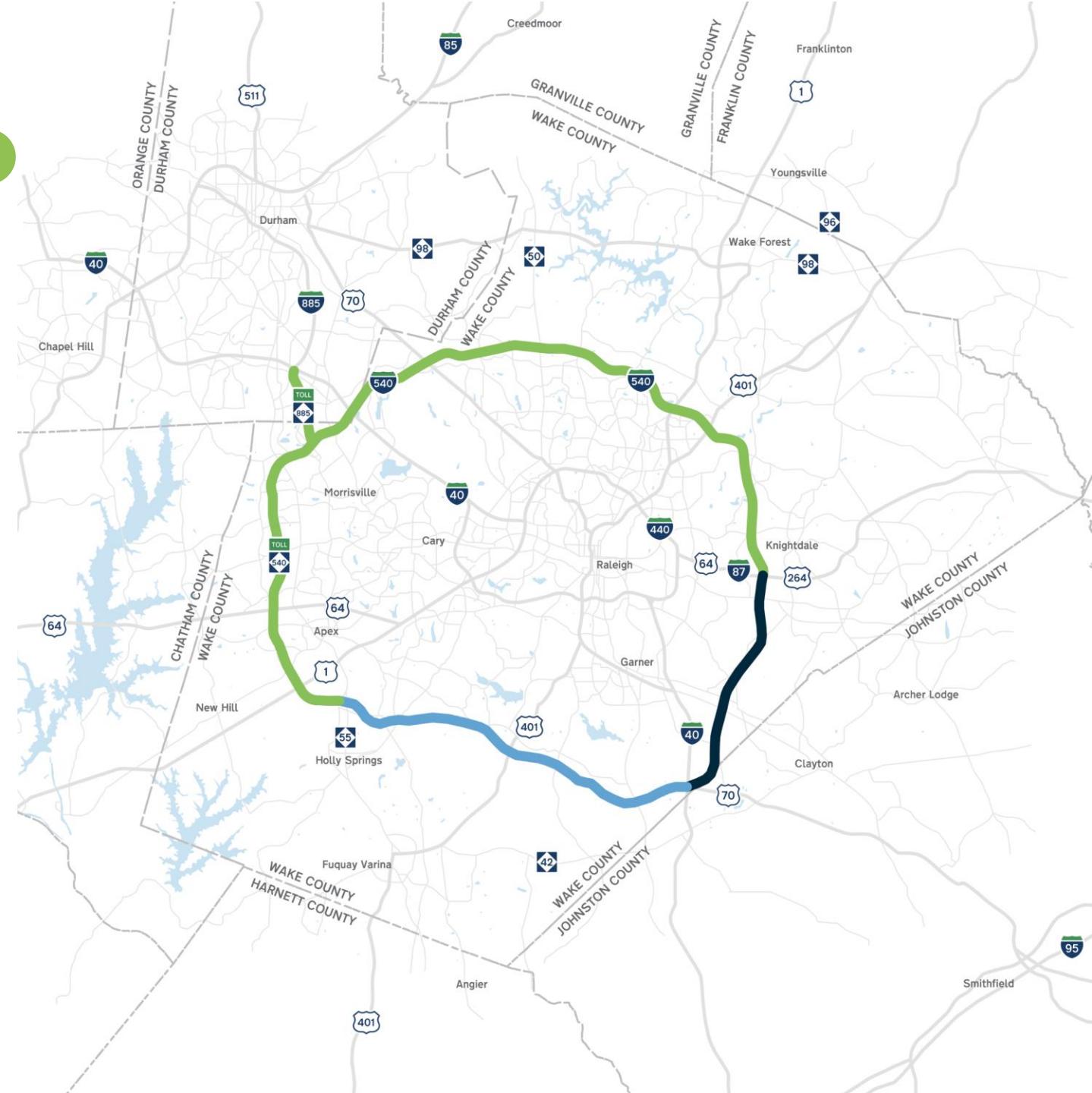
Open to traffic

Complete 540 Phase I

Under construction



Complete 540



Open to traffic (42 miles)

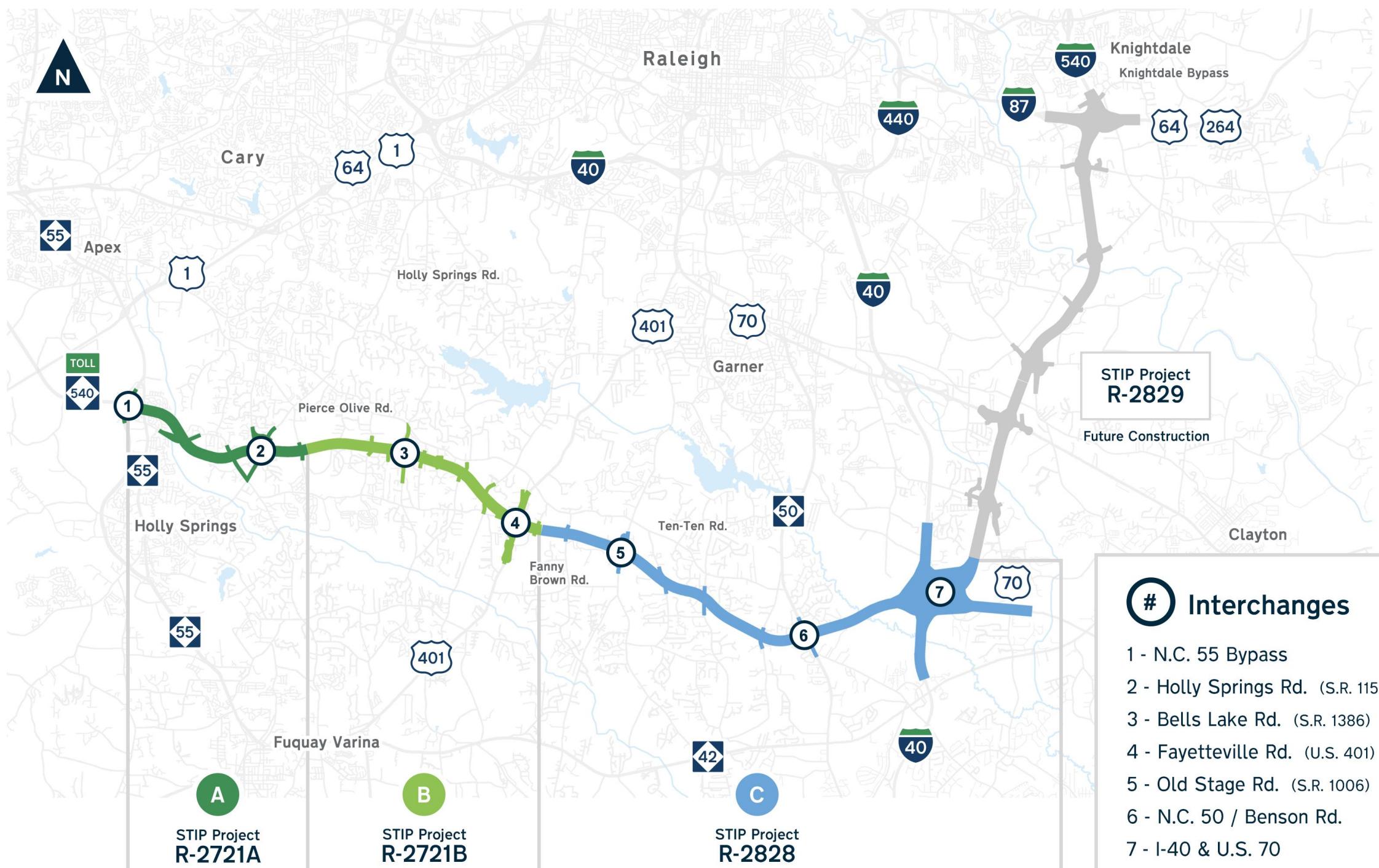
I-540 & Triangle Expressway

Under construction (18 miles)

Southern Wake Expressway
(Phase 1)

Under contract (11 miles)

Eastern Wake Expressway
(Phase 2)



R-2721A



 **BRANCH** CIVIL | **FLATIRON**

 **Gannett Fleming**

\$183.5M

Cost of Contract

R-2721B



 **BRANCH** CIVIL | **FLATIRON**

HDR

\$160.0M

Cost of Contract

R-2828




JOINT VENTURE

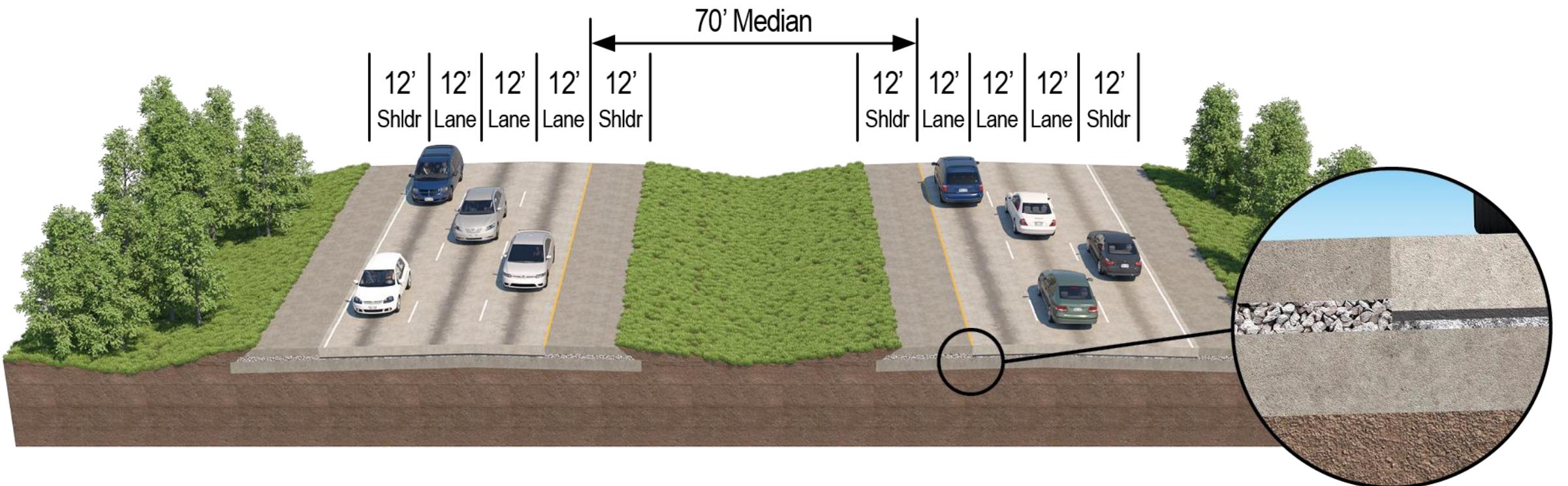
WSP

\$403.2M

Cost of Contract

Typical Section

N.C. 540 Mainline (R-2828)





52
Bridges

33
Culverts

N.C. 55 Bypass

A



East Williams Street

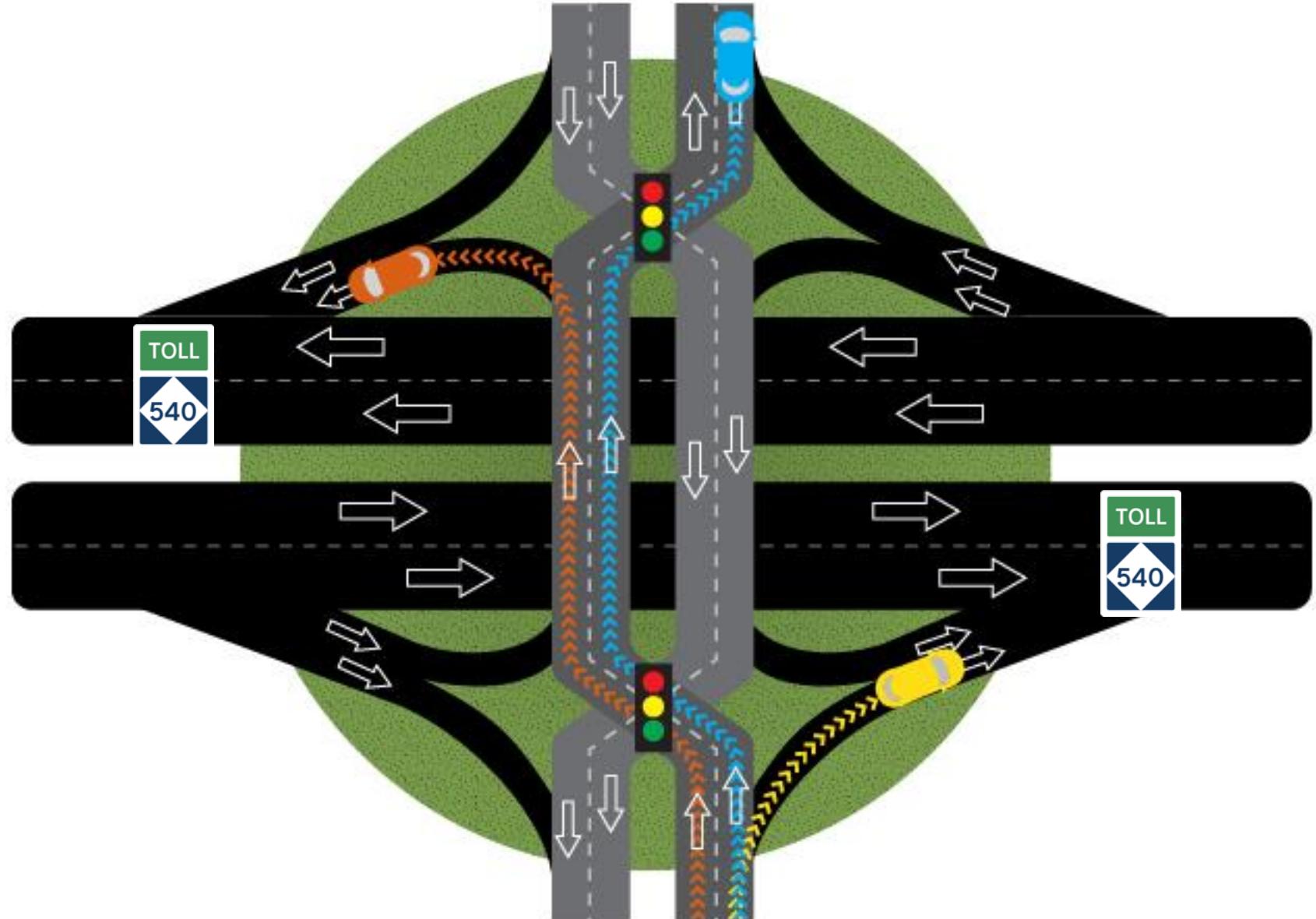
A



Design

Diverging Diamond Interchange

A



Holly Springs Road

A



Bells Lake Road

B



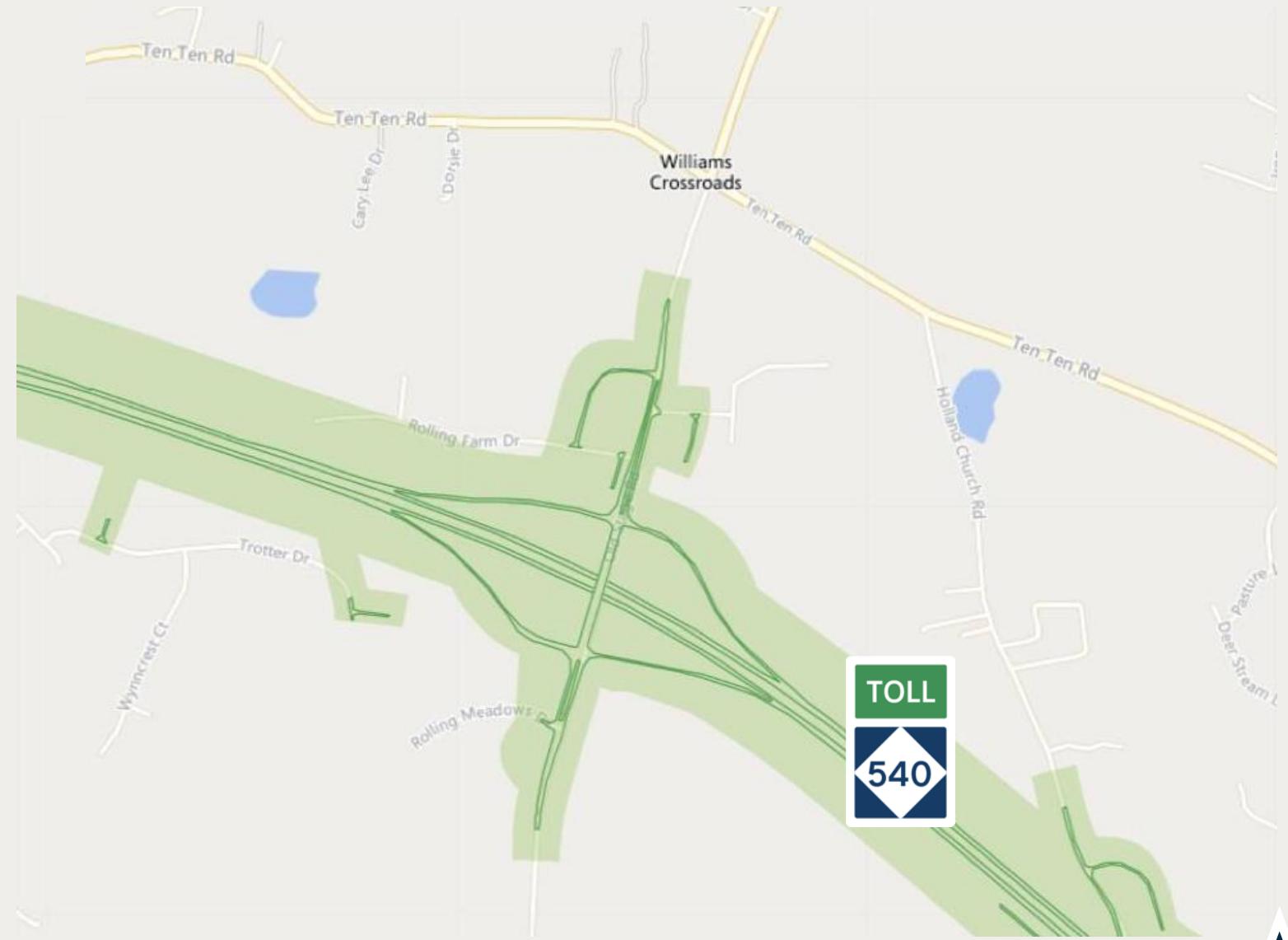
U.S. 401

B



Interchange Old Stage Road

C



N

Old Stage Road

c



Interchange
N.C. 50 / Benson Road

c



N

N.C. 540 Mainline

c



N.C. 540 Mainline
N.C. 50 / Benson Road &
I-40 / U.S. 70 Interchanges

C



I-40, U.S. 70/
I-42 and the
future Toll
N.C. 540

c



Interchange

I-40 , U.S. 70/I-42 , the
future Toll N.C. 540

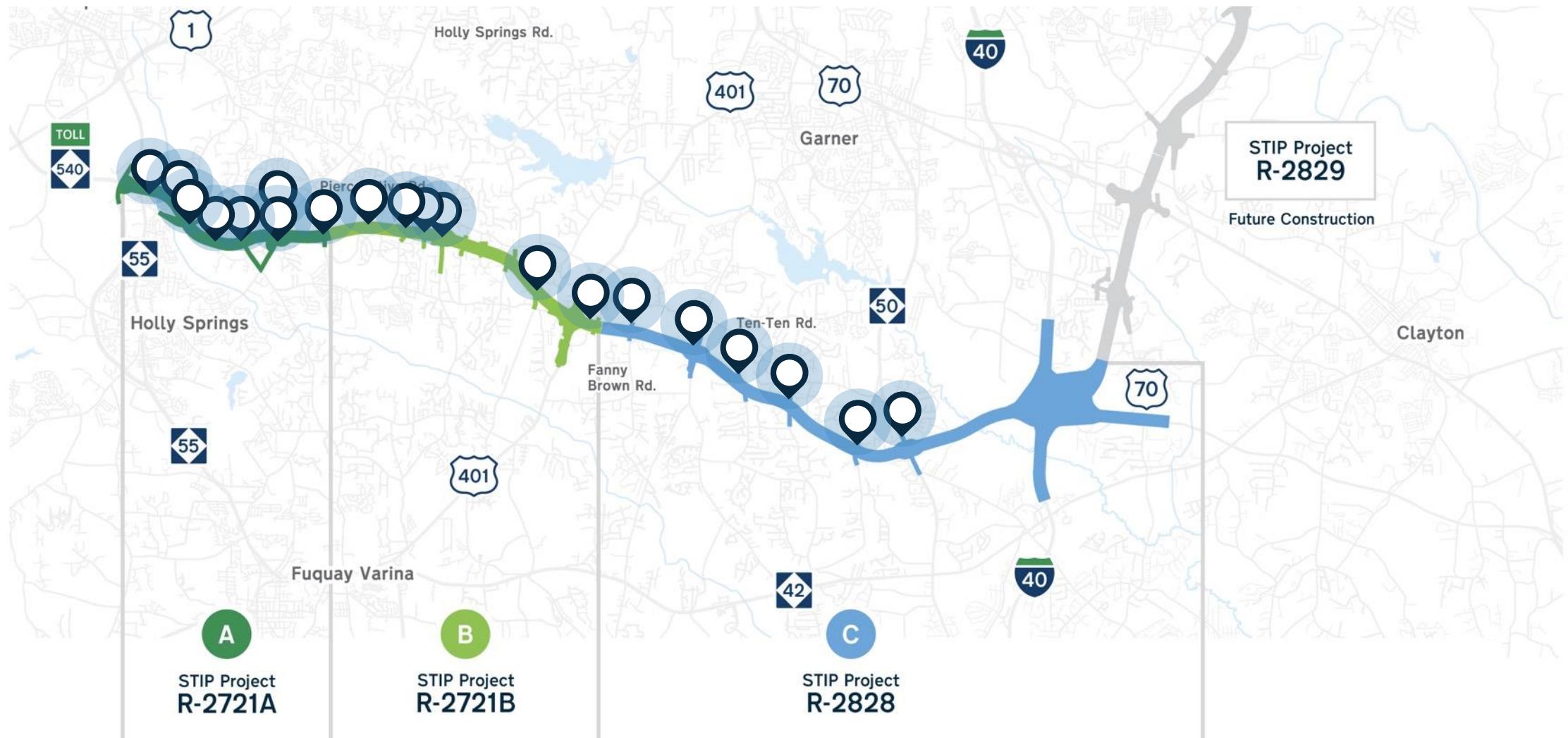


I-40, U.S. 70/I-42 and the future Toll N.C. 540

c



Bike/Pedestrian/Multi-Use Accommodations



Uniqueness



Over \$80 million in work during Phase 1 for DBEs



Relocated a beehive from a house



Worked with NC Native Plant Society to relocate plants



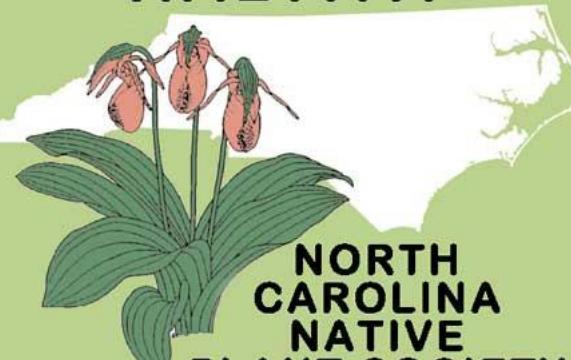
Unearthed artifacts from ~10,000 thousand years ago



Incorporated inlaid pavement markings



CERTIFIED
**NATIVE PLANT
HABITAT**



**NORTH
CAROLINA
NATIVE
PLANT SOCIETY**

This garden conserves North
Carolina's plant heritage and values
our local ecosystems, while providing
for pollinators, wildlife, and people.

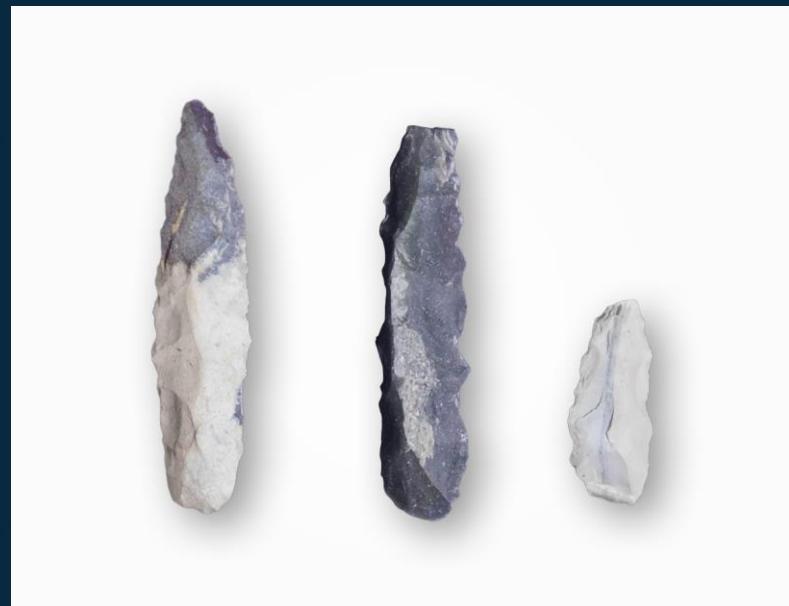
www.ncnps.org

Ceramic Vessels



Archaeological
Artifact Recovery.

Stone Tools

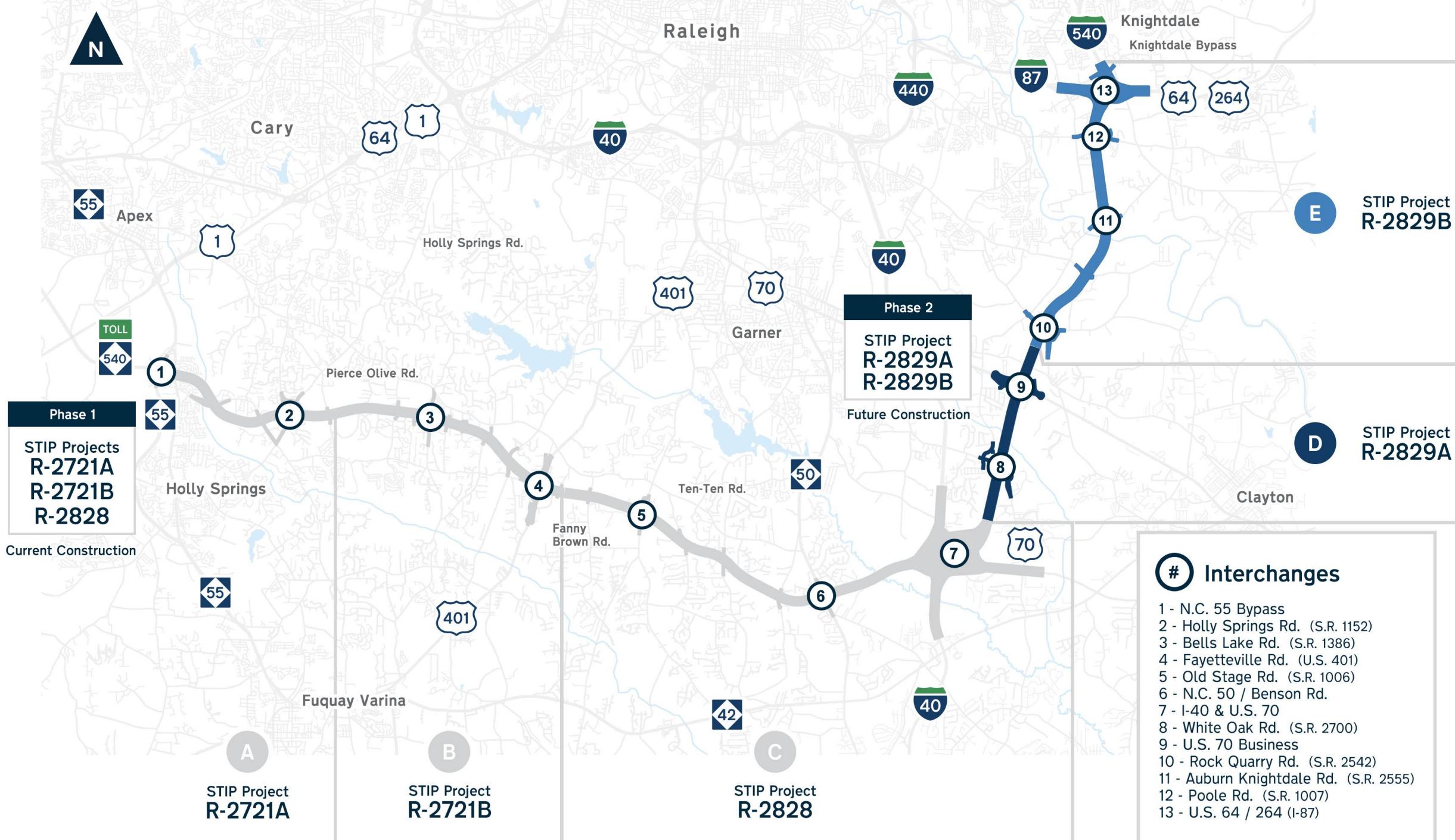


Archaeological
Artifact Recovery.

House Relocation



Complete 540
Phase 2



Complete 540 Neighborhood Meeting



Complete 540 Phase 2
East Garner Road Neighborhood Meeting

Triangle Expressway (Toll N.C. 540) Extension from Interstate 40 to Interstate 87

Project Description

The Complete 540 project will extend the Triangle Expressway from the N.C. 55 Bypass in Apex to I-87/U.S. 64/U.S. 264 in Knightdale, completing the outer 540 loop around the greater Raleigh area.

The project is being completed in two phases. Phase R-2721A, R-2721B and R-2828, is the western construction project between N.C. 55 Bypass near the Wake/Johnston County line. Phase R-2829B, is the eastern portion of the project and I-87/U.S. 64/U.S. 264 in Knightdale and contracts were awarded in the second half of 2023.

The North Carolina Department of Transportation and North Carolina Turnpike Authority (NCTA) are constructing Phase 1 of the Complete 540 project. Phase 2 construction is expected to begin late spring 2024. In the East Garner Road area, acquisitions are expected to begin in late summer and construction is expected to begin in late 2024. Complete 540 will improve the regional network and reduce traffic congestion in the greater Raleigh area.

For more information on the project:

Project Timeline*

Late Spring 2024
Complete 540 Phase 2 construction expected to begin



NORTH CAROLINA
Turnpike Authority

Complete 540 Neighborhood Meeting East Garner Road

When
Tuesday, February 13, 2024
5:30 p.m. – 7:00 p.m.

Where
Fellowship Hall of
Mount Moriah Baptist Church
3000 E Garner Road
Raleigh, NC 27610

If you have any questions, please contact us at complete540@ncdot.gov or 1-800-554-7849



Community Outreach



Complete 540 Outreach



Public Meetings

Over 1200 participants
over 40 public meetings



Informing Residents

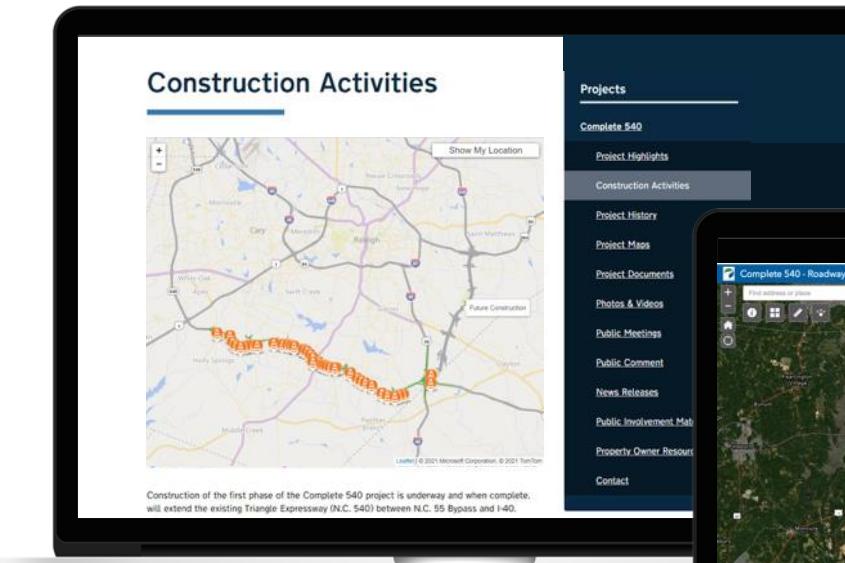
14,953 postcards &
28 Nextdoor posts



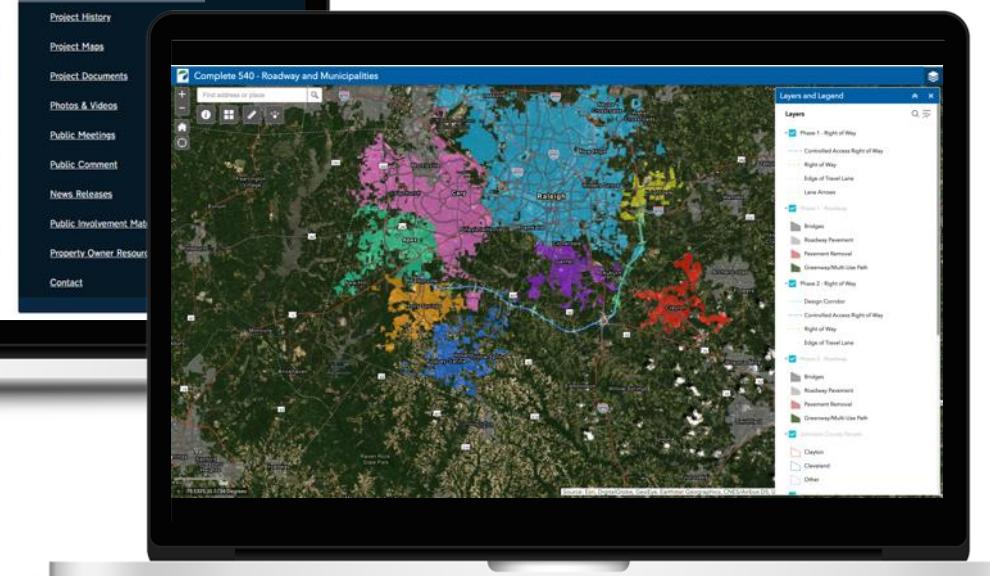
Resident Inquiries

534 calls & 1026 emails to
the Complete 540 Hotline

Resources at ncdot.gov/complete540



Interactive Map for Construction Activities



Noise Wall Locations Handout

If you have any questions, please contact us at complete540@ncdot.gov or 1-800-554-7849

Contact Us

 ncdot.gov/complete540

 complete540@ncdot.gov

 1-800-554-7849

 @NCTurnpike

@NC_QuickPass

Questions?

Before You Go!

Visit our NC Quick Pass table to:



Learn about the benefits of using a NC Quick Pass (NCQP)



Sign up for an NC Quick Pass account to start saving 35% on tolls in NC



Manage your existing NC Quick Pass account



Get answers to your questions about tolling



Perfect for new homeowners to learn about roadway options in their neighborhood

New Homeowner Welcome Packets

We've Got You Covered!

Pick up handouts at the NCQP table for your homeowner welcome packets



Information about the benefits of NCQP:

- Save 35% on tolls in NC
- Pay tolls in 19 states with a transponder
- Avoid extra fees associated with toll invoices
- Use the Flex for HOV travel in I-77 Express Lanes



QR code to our website



Welcome to the Neighborhood



NC Quick Pass is the easiest way to pay tolls in North Carolina and across the country

Interested In Collaborating With Us?

Contact Kate Ford for partnership inquiries



Phone: (919) 817-1968



Email: klford1@ncdot.gov

Let's work together to enhance the new homeowner experience!

Thank you!