



NORTH CAROLINA
Department of Transportation

I-40 Regional Partnership

18th Annual Meeting

October 22, 2026

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



Welcome

Agenda

- History of the I-40 Regional Partnership
- I-40 Projects Overview
 - Completed Projects and Studies
 - Current Projects and Studies
 - Future Projects and Studies
- I-40 Rapid Implementation Task Force



I-40 Regional Partnership

The Partnership provides an ongoing focus on Interstate 40 in order to enhance its viability for travel and commerce, and to improve the travel experience on I-40 and alternate routes.



I-40 Regional Partnership: Annual Meeting History

Aug 8, 2025 – Westin RDU Arpt Hotel, Raleigh
Aug 6, 2024 – Westin RDU Arpt Hotel, Raleigh
Oct. 10, 2023 – SAS, Cary
Oct. 13, 2022 – Joint Force Headquarters
Sep. 10, 2021 – *online meeting*
Aug. 11, 2020 – *online meeting*
Oct. 17, 2019 – SAS, Cary
Oct. 18, 2018 – Research Triangle Park HQ
Oct. 25, 2017 – Research Triangle Park HQ
Oct. 24, 2016 – Research Triangle Park HQ
June 18, 2015 – Joint Force Headquarters HQ

June 12, 2014 – Joint Force Headquarters
June 4, 2013 – Joint Force Headquarters
Dec. 20, 2012 – Research Triangle Park HQ
June 28, 2012 – Research Triangle Park HQ
Dec. 6, 2011 – Fidelity Investments, Cary
Sep. 13, 2011 – Cisco Systems, RTP
April 26, 2011 – NetApp, RTP
Dec. 7, 2010 – Research Triangle Park HQ
Sep. 24, 2010 – Fidelity Investments, Durham
June 15, 2010 – NetApp, RTP
June 16, 2009 – Research Triangle Park HQ

I-40 Projects Overview



Completed Projects and Studies

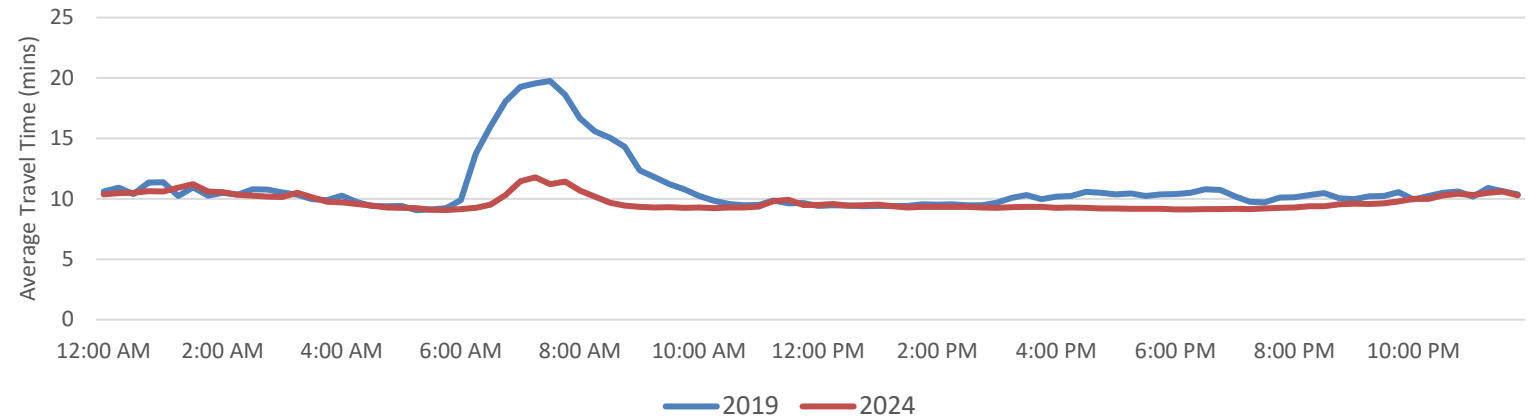
I-5111 – Travel Times in March: 2019 vs 2024

COMPLETED Projects and Studies

- Westbound Summary:
 - ~7.5-minute decrease between 6:30am – 8:30am
 - ~1-minute decrease between 3:30pm – 6:45pm
 - All other times negligible
- Eastbound Summary:
 - ~1.5-minute decrease between 2:30pm - 4pm
 - ~3-minute decrease between 4:30pm – 5:15pm
 - ~5-minute decrease between 5:30pm – 6:45pm
 - All other times negligible

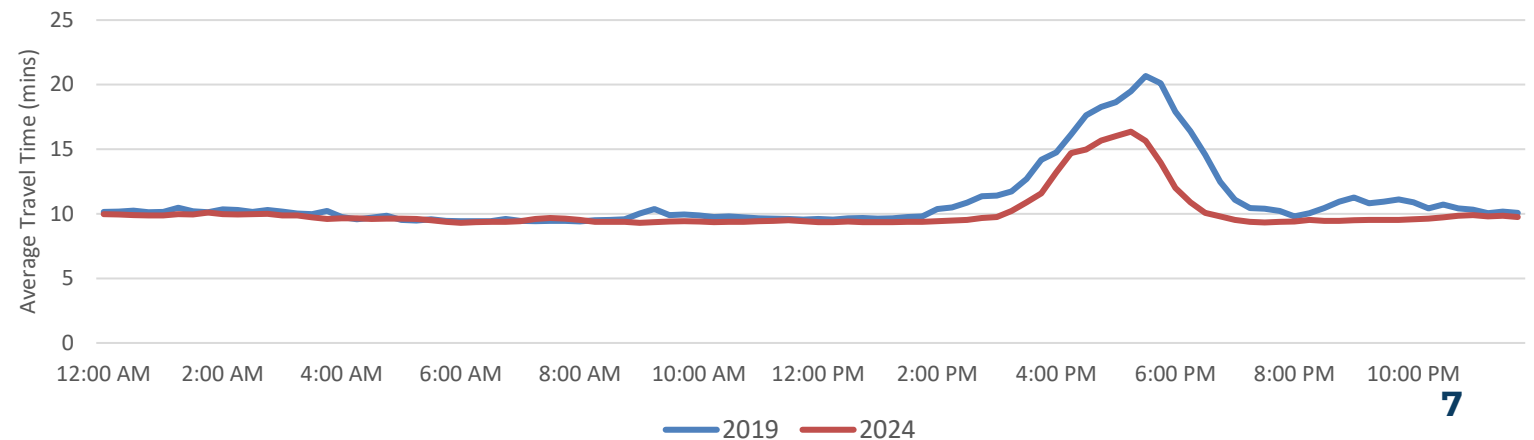
Route: I-5111 (W)

3/1/2019 – 3/31/2019 Weekdays and 3/1/2024 – 3/31/2024 Weekdays



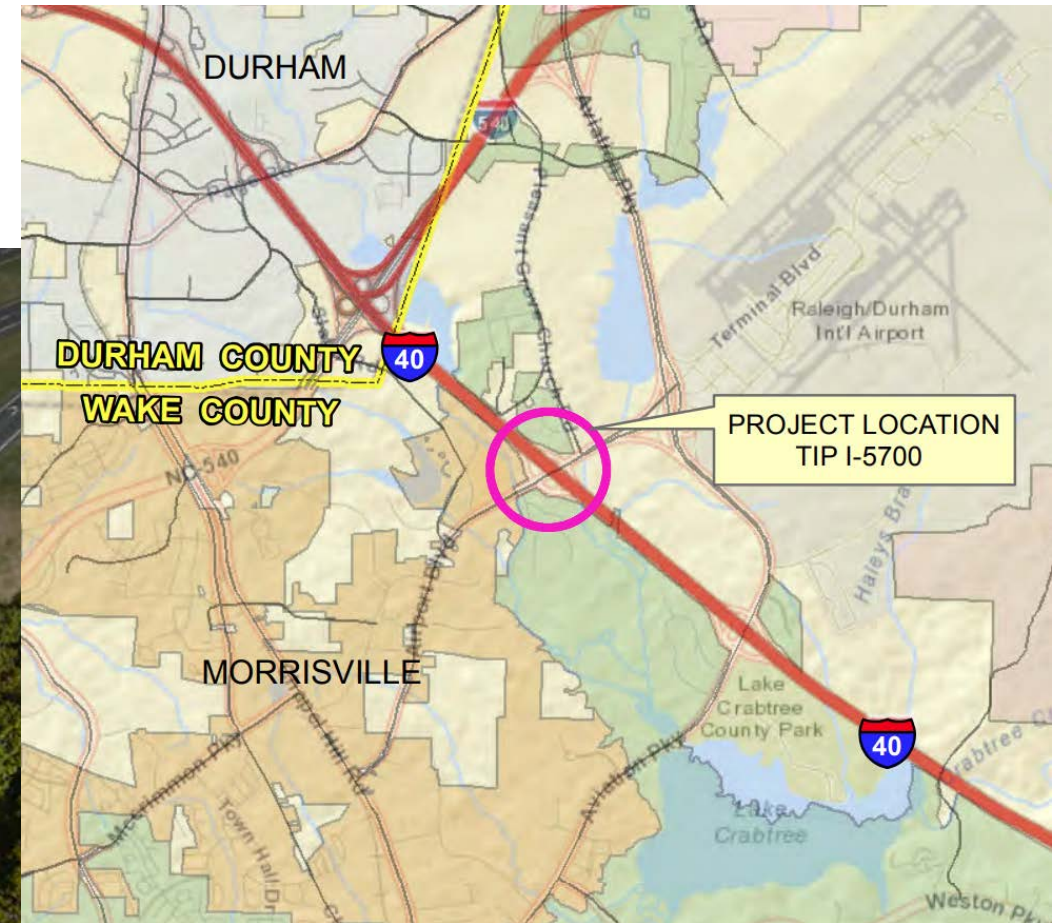
Route: I-5111 (E)

3/1/2019 – 3/31/2019 Weekdays and 3/1/2024 – 3/31/2024 Weekdays



I-5700 – Airport Blvd Interchange (Exit 284)

COMPLETED Projects and Studies



I-5506 – Aviation Parkway Interchange (Exit 285)

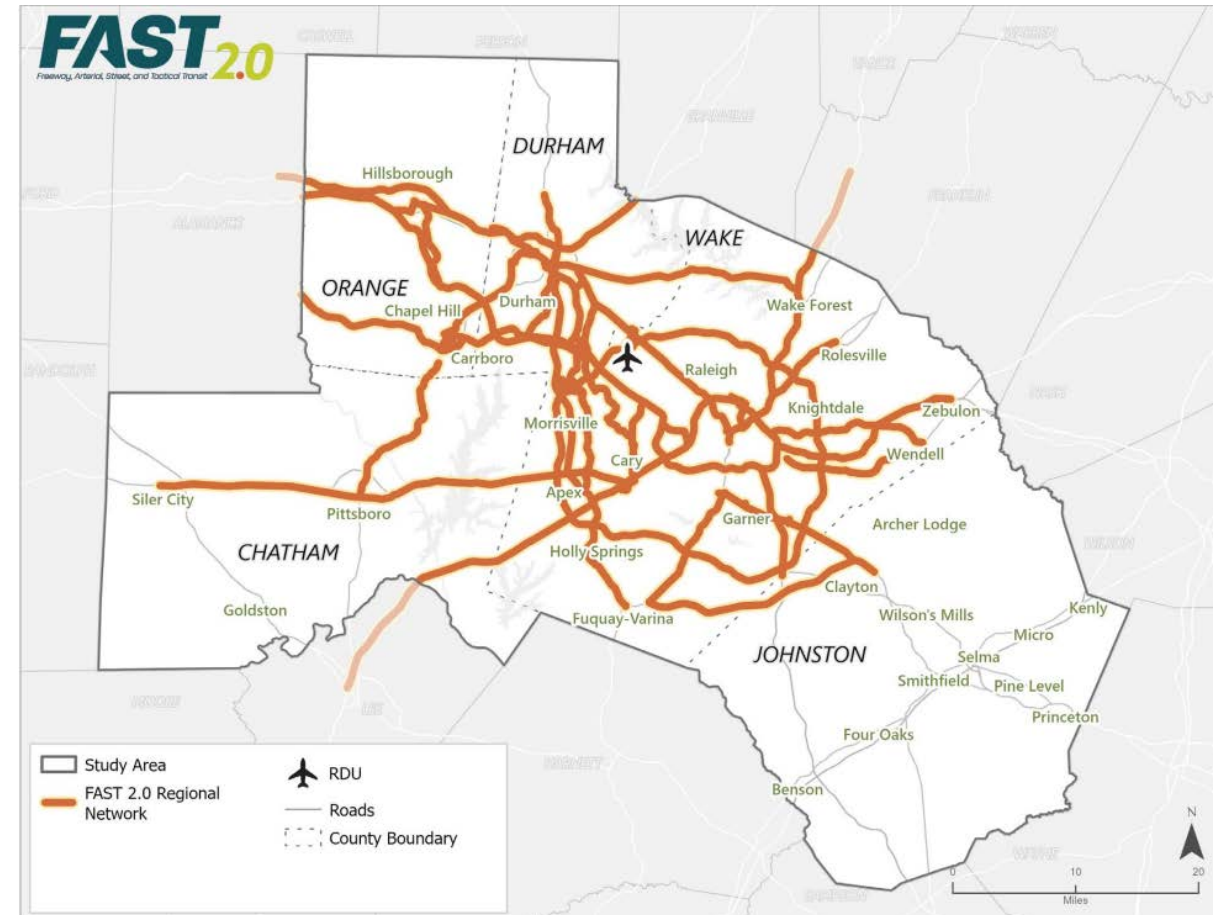
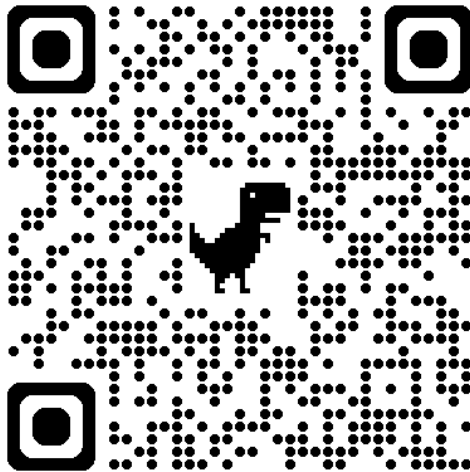
COMPLETED Projects and Studies



FAST Study

COMPLETED Projects and Studies

Purpose: Advance transit priority infrastructure on the Triangle's freeways and arterials to support a connected, high-capacity regional transit network.





FAST Study - Implementation

COMPLETED Projects and Studies

Element 1: Implement the six priority corridors:

- **Arterials:** Duke University/Holloway Street; NC 54; Harrison Avenue/Kildaire Farm Road; Trinity Road/Blue Ridge Road.
- **Freeways:** I-40 and I-885/NC 147, including transit direct access ramps and the proposed RDU Airport Platform Exchange.

Element 2: Recommended changes to NCDOT Transit Planning and Design:

- Review transit infrastructure projects
- Update the Roadway Design Manual
- Integrate transit into the Complete Streets Implementation Guide

Study Element	Cost	Miles	Cost/Mile
Total FAST 2.0 Costs			
Arterial Priority Corridors	\$541,100,000	30.8	\$17,600,000
Freeway Priority Corridors Total	\$621,200,000	34.5	\$18,000,000
Freeway Segments	\$337,100,000	34.5	\$9,800,000
Direct Access Ramps	\$284,100,000		
RDU APE	\$114,100,000		
FAST 2.0 Total	\$ 1,276,400,000	65.3	\$19,600,000
FAST 2.0 Costs within TWTPO			
Orange County	\$65,400,000	12.2	\$5,400,000
Durham County	\$671,800,000	34.9	\$19,300,000
TWTPO	\$737,200,000	47.1	\$15,700,000
FAST 2.0 Costs within CAMPO			
Wake County	\$539,200,000	18.2	\$29,600,000
CAMPO	\$539,200,000	18.2	\$29,600,000

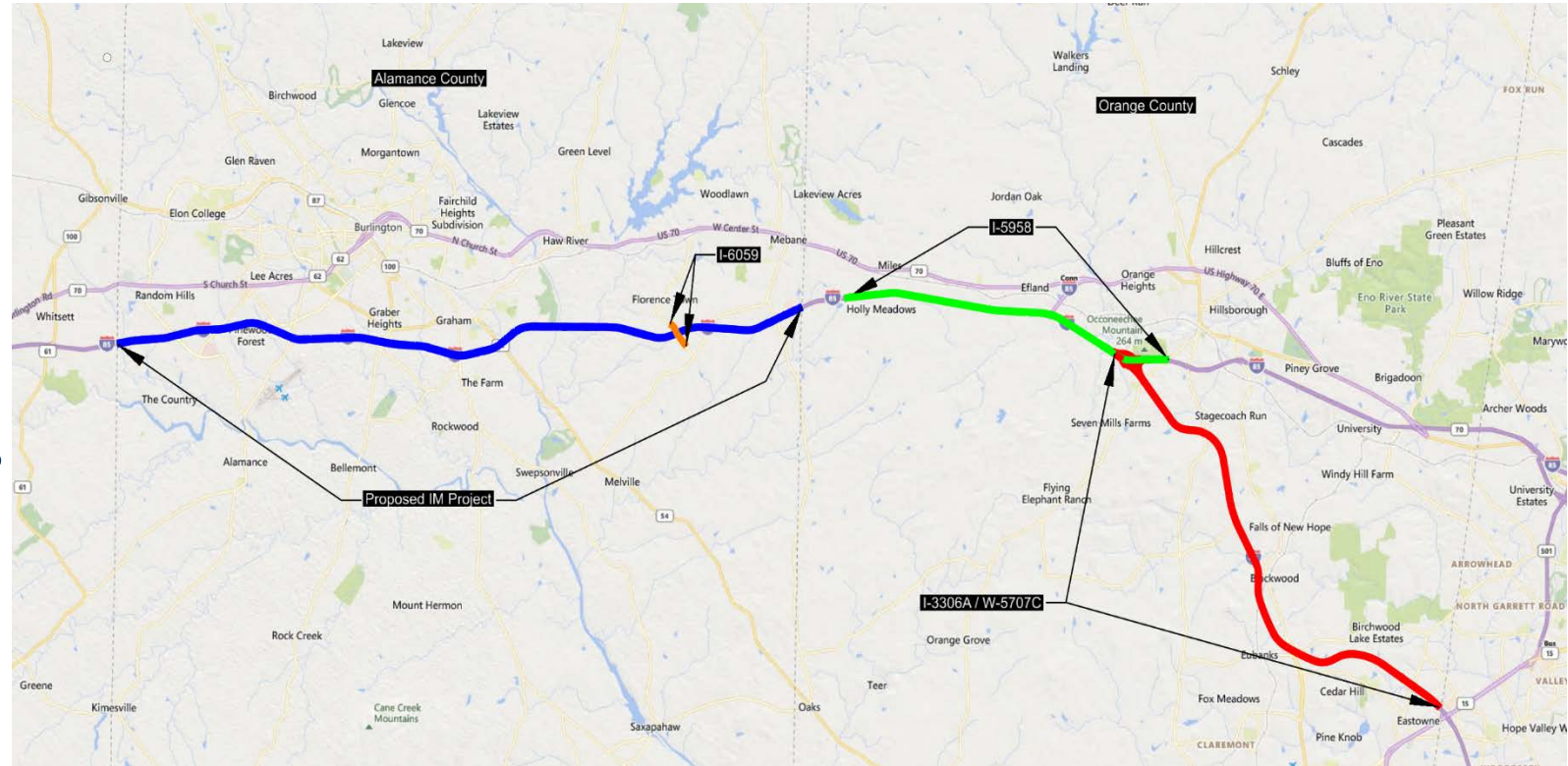
I-40 Projects Overview



Current Projects and Studies

Topics of Discussion

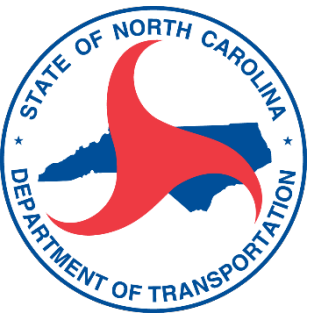
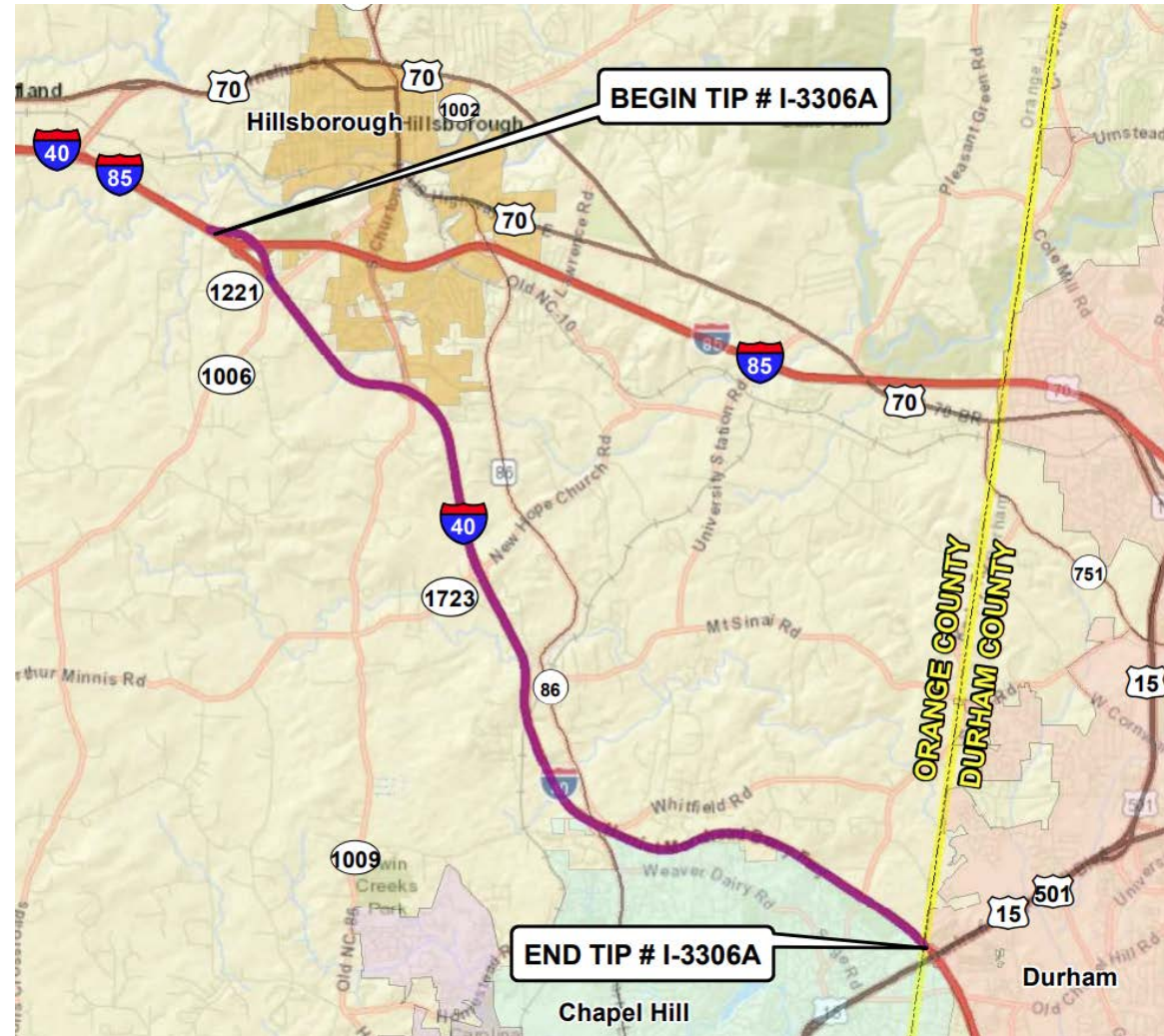
1. I-3306A: Orange County Widening Update
2. I-6059: Trollingwood-Hawfields
3. Interstate Maintenance: I-5958
4. Interstate Maintenance: Friction Course Removal (Alamance County)



I-3306 Orange County (Exits 259-270)

CURRENT Projects and Studies

- Scope: Widening I-40 from four to six lanes between Interstate 85 (I-85) and the Durham County Line. Includes fly over bridge.
- 82% Completed



I-3306 Orange County (Exits 259-270)

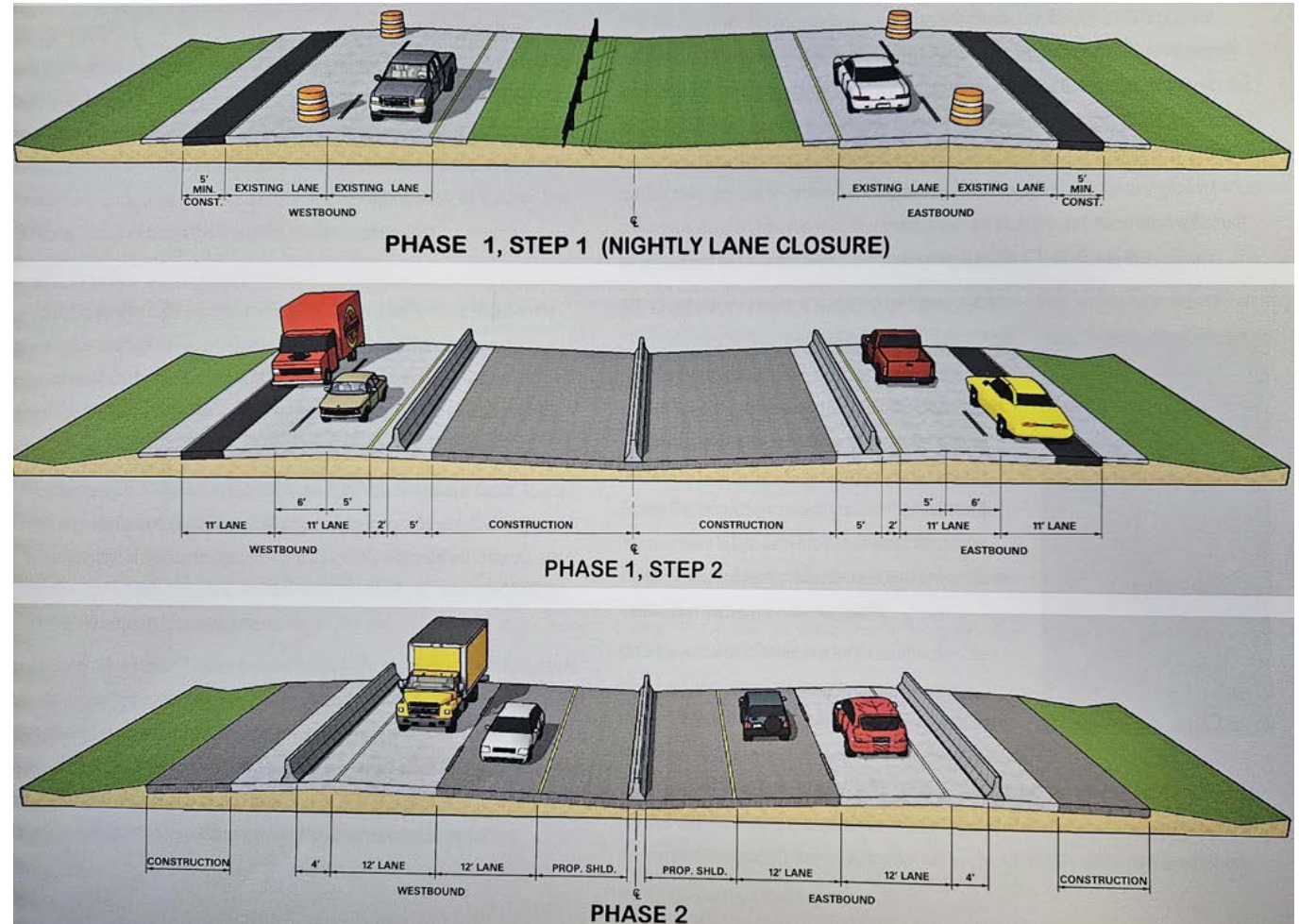
CURRENT Projects and Studies

Location:

- I-40/I-85 Split to US-15/501 (Orange Co.)
- 13 Miles

Update:

- Work in Phase 2
- 95% of traffic switched to inside
- Work on shoulder
- Concrete Paving
- Ramps Reconstruction
- Bridge Rehab



I-3306 Orange County (Exits 259-270)

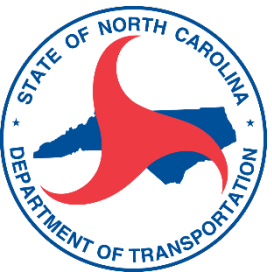
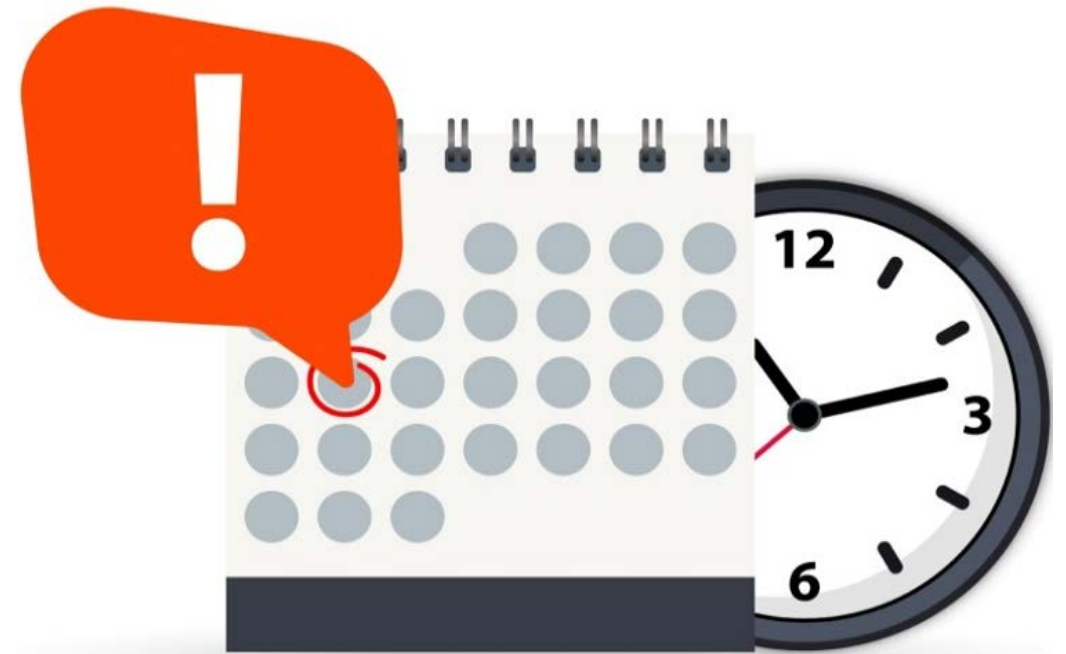
CURRENT Projects and Studies

Additional Work:

- Widening I-40WB Bridge over I-85
 - Widening will provide three continuous lanes on I-40 WB to I-85
 - Eliminating new bottleneck on I-40
- Concrete Surface Treatment
 - Dimond Grinding of all travel lanes

Revised Completion Date:

- November 23, 2027 – Substantial Completion (All Traffic in Final Pattern)
- May 26, 2028 – All work to be completed except vegetation
- July 25, 2028 – Final Completion



I – 6059: Trollingwood- Hawfields

CURRENT Projects and Studies

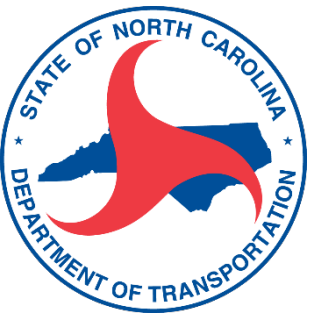
Scope: Interchange Upgrade / Construct Diverging Diamond Interchange (DDI)

Delivery Method: Construction Manager/General Contractor (CMGC) - APAC ATLANTIC INC SMITH ROWE LLC JV

Percent Complete: Bridge Widening 85%

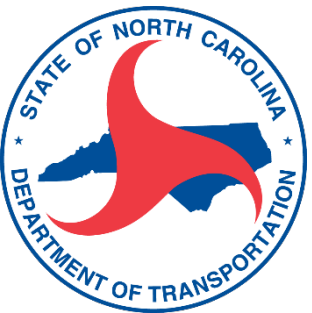
End: Fall 2027

Cost: \$50.5mil

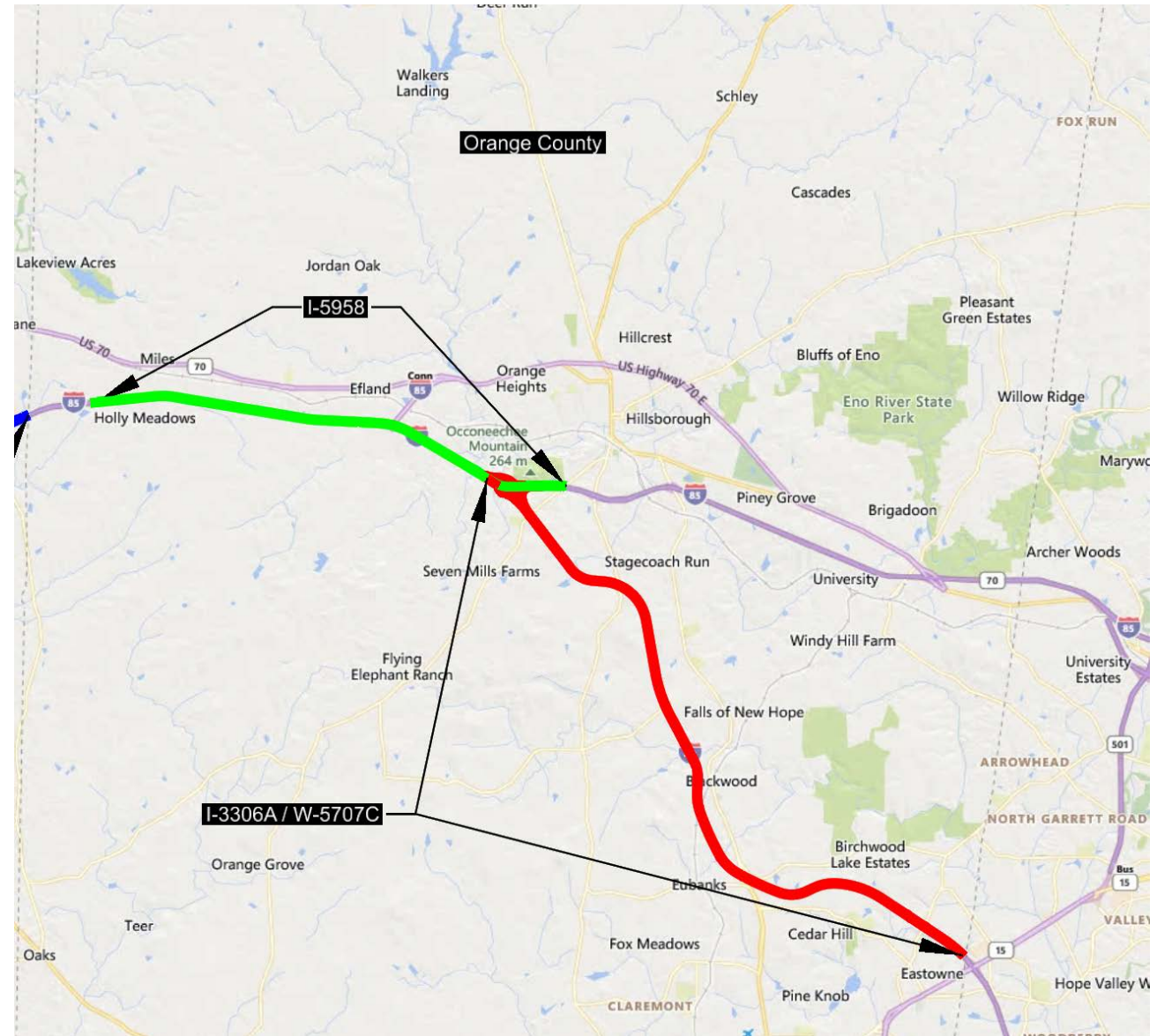


Interstate Maintenance: I-5958

- **Scope:** Pavement Rehabilitation, ITS (Weigh-in-Motion), and Bridge Rehabilitation
- **Limits:** West of Buckhorn Rd to limits of I-3306A.
- **Let Date:** November 17, 2026
- **Duration:** Work is expected to be completed by November 2028
- **Cost:** Approximately \$22.5 million

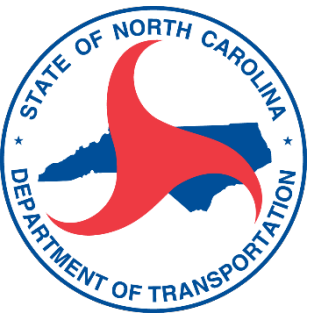
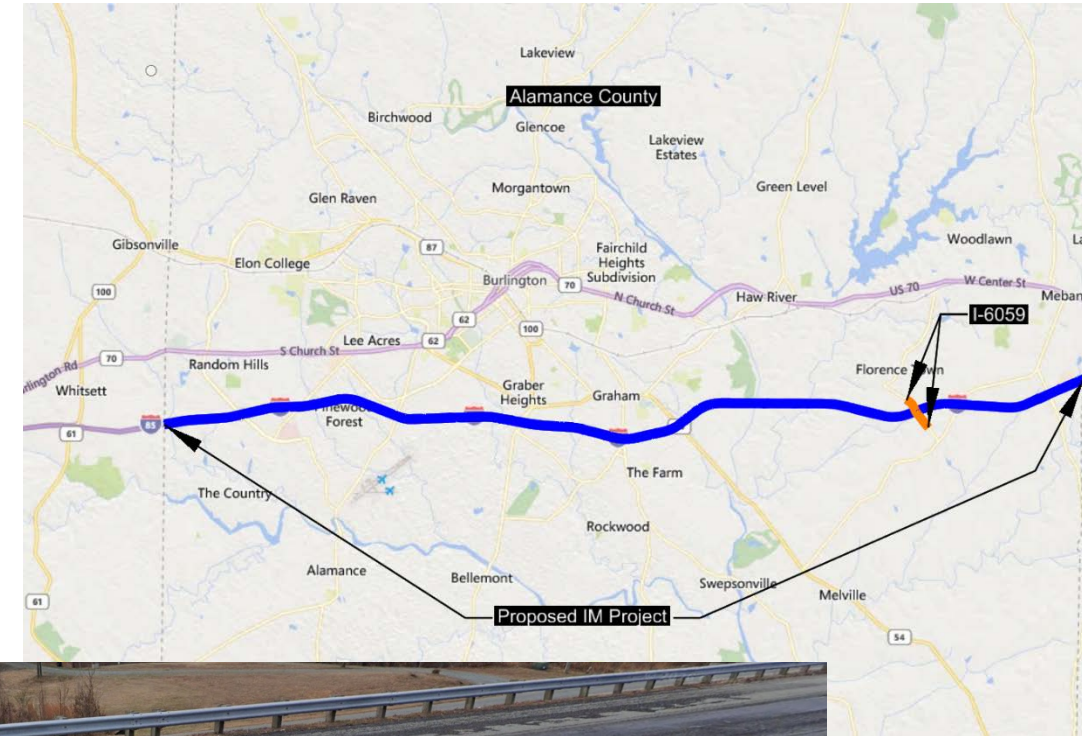


I-40 Regional Partnership



Interstate Maintenance: Friction Course Removal (Alamance County)

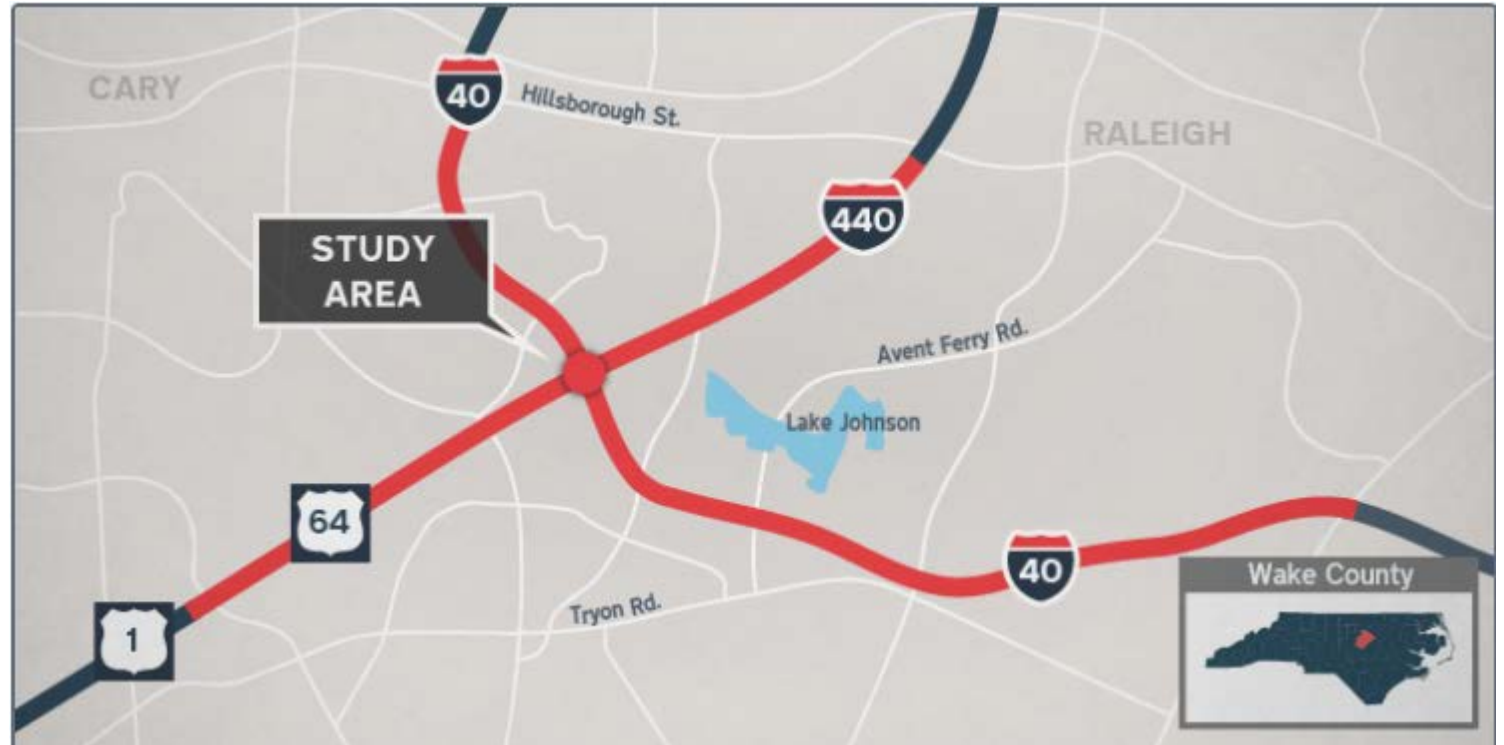
- **Scope:** Pavement Rehabilitation Remove Open Graded Friction Course – Replace with Ultra Thin Wearing Course
- **Limit:** Alamance County
- **Let Date:** TBD
- **Duration:** TBD
- **Cost:** TBD



Crossroads Interchange I-5701 & I-5703

CURRENT Projects and Studies

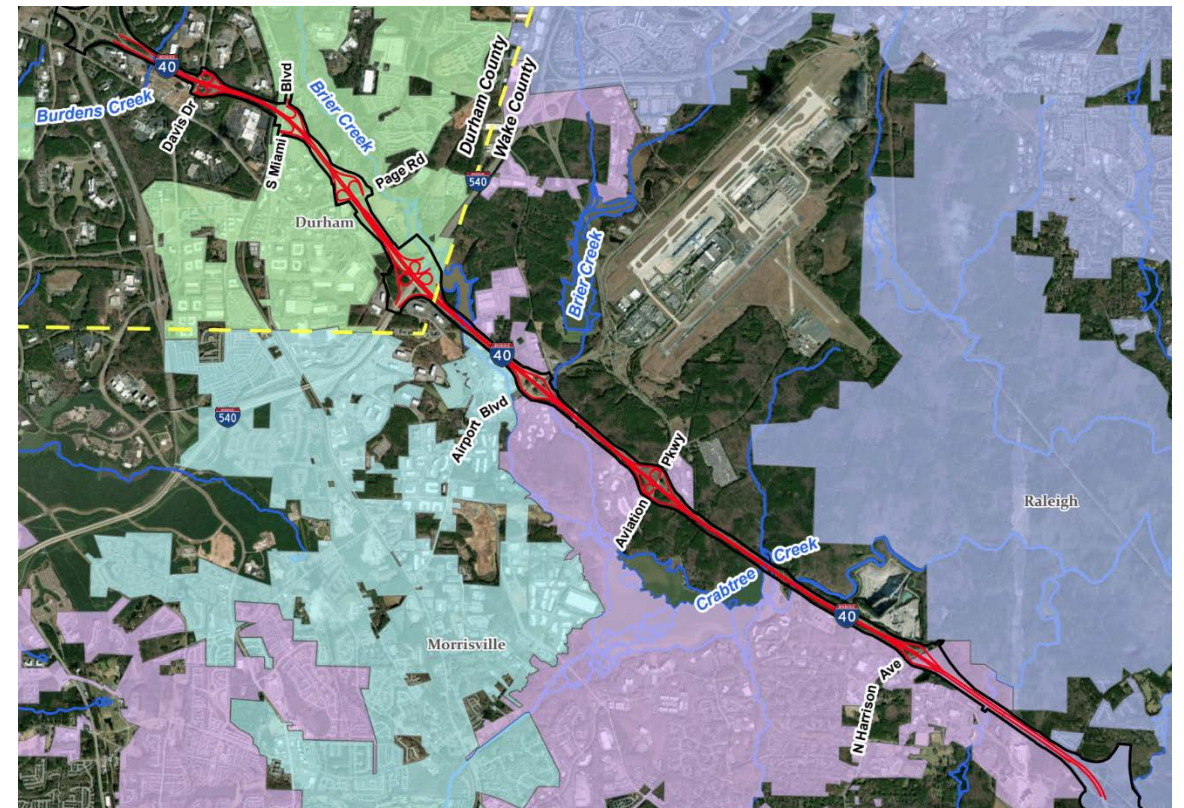
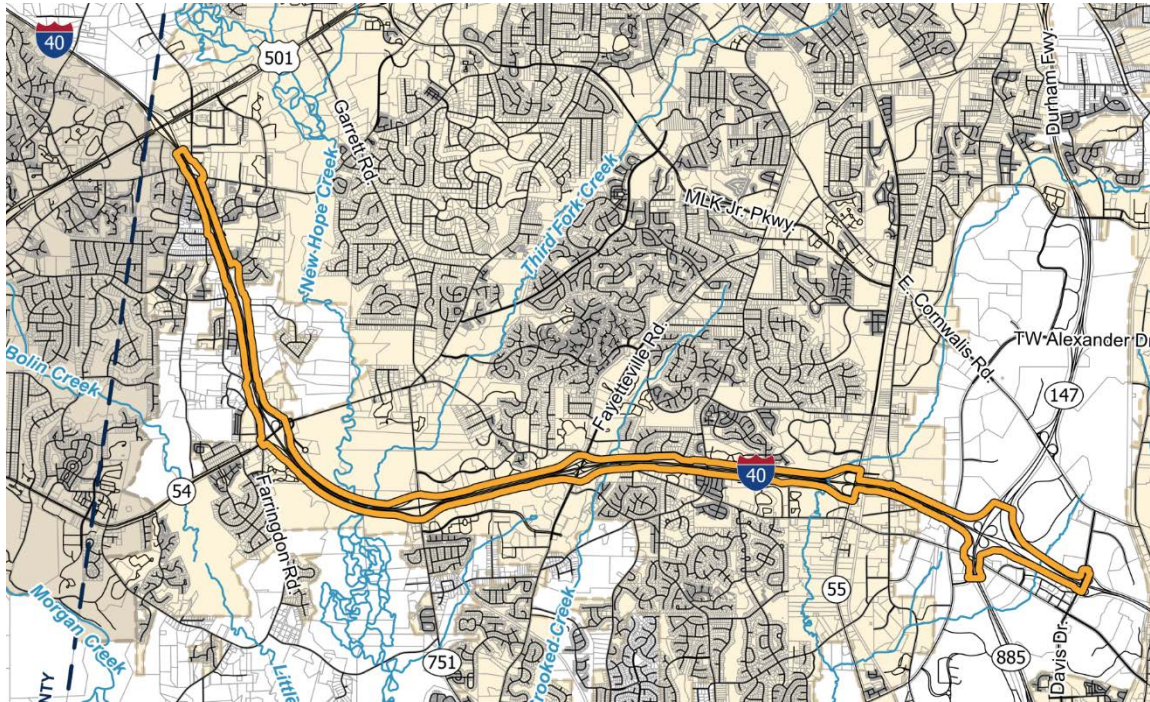
- Design Build award anticipated March 2025



Interstate Maintenance (Orange County Line to Wade)

CURRENT Projects and Studies

- I-5993 (left) & I-5995 (right)





WakeBRT: I-40/Cary Bus Rapid Transit Major Investment Study

I-40 Regional Partnership

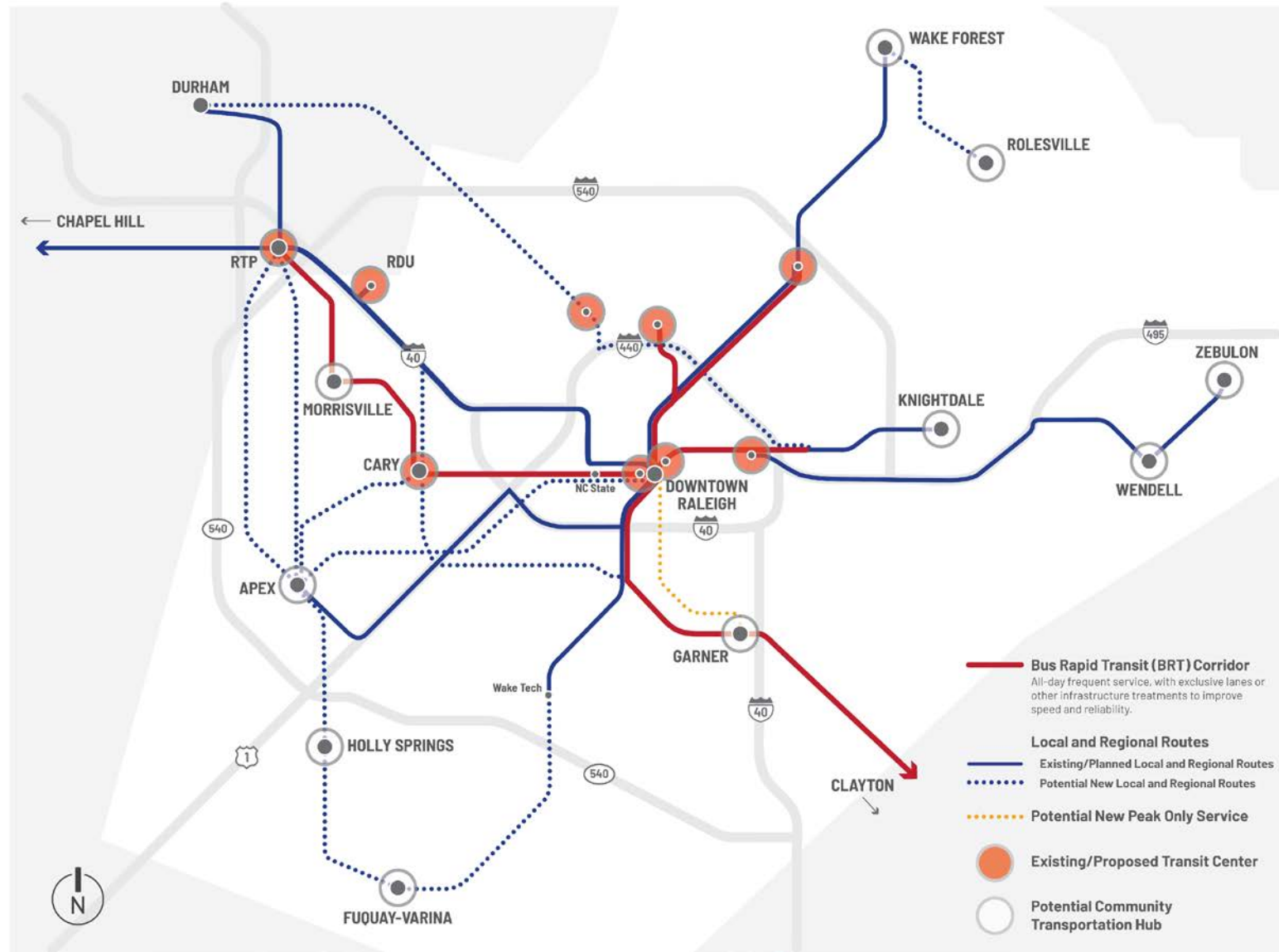
October 2026

Wake Transit Bus Rapid Transit



Wake Transit has multiple Bus Rapid Transit routes planned and under development:

- New Bern Avenue
- Southern BRT (Raleigh to Garner)
- Western BRT (Raleigh to Cary)
- Capital Boulevard BRT (Downtown Raleigh to Triangle Town Center)
- Mid Town BRT (Downtown Raleigh to Mid Town Raleigh)
- Extensions of Southern BRT to Clayton and Western BRT to RTP
- 2035 Plan funded study of I-40 and Cary BRT routes

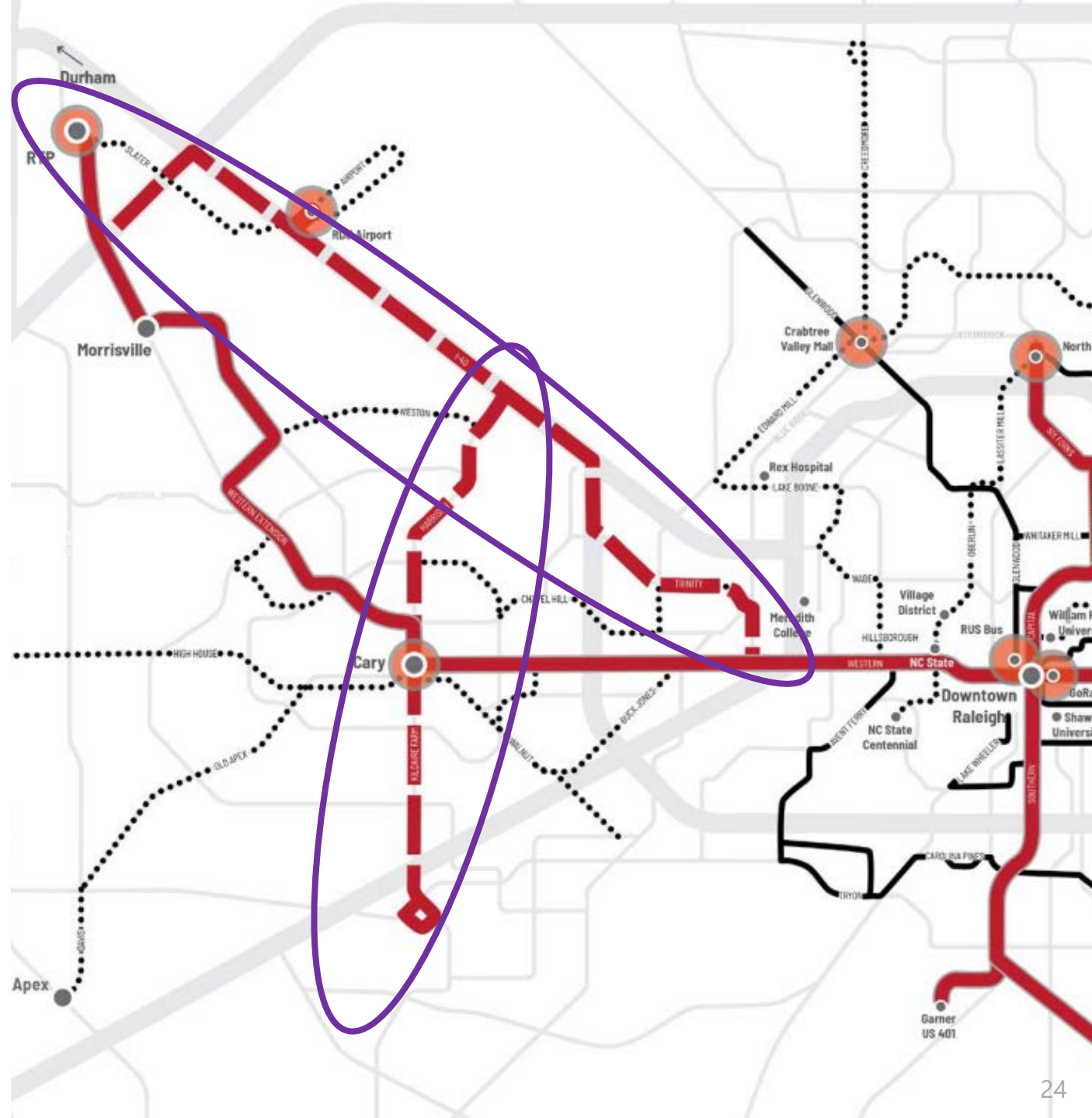


I-40 and Cary BRT Major Investment Study

Project Description

Explore the feasibility, future design, and potential implementation schedule:

- **I-40 BRT**
 - Connecting downtown Raleigh with Research Triangle Park (RTP) via the Lenovo Center and Raleigh-Durham International Airport (RDU)
- **Harrison Avenue/Kildaire Farm Road BRT (Cary BRT)**
 - Connecting I-40 near the SAS campus to Downtown Cary to Regency Park near US 64 in Cary



MIS Scope Overview

- Evaluate Existing Conditions
 - Develop 3 alignment options for each corridor
- Evaluation Framework and BRT Alignments Screening
 - Develop Screening Process to narrow down to 2 alignment options for each corridor
- Evaluate Bus Rapid Transit Alternatives for Each Corridor
 - Develop comparison matrix comparing the strengths and weaknesses of options for both corridors using the following:
 - Operational & Ridership Analyses
 - Engineering Feasibility
 - Capital & Operating Costs
- Locally Preferred Alternative (LPA) Selection & Implementation
 - Recommended LPA for each corridor and sequencing for implementation of each BRT Corridor

MIS Scope Overview

RDU Exchange Station

- Systems Analysis
- Transit Operations
- Engineering Feasibility
- Capital Costs
- Operating Costs
- Key Deliverable:
- Implementation Feasibility Memorandum



Schedule

	2026		2027												2028			
	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr
Task	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Existing Conditions Review																		
Evaluation Framework & Screening																		
BRT Alternatives Evaluation																		
LPA Selection & Implementation																		
Public & Stakeholder Engagement																		
RDU Exchange Station																		
Final Report																		



Thank You!

Chris Lukasina, CAMPO Executive Director

Project Contact:

Ben Howell, Wake Transit Program Manager

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I-40 Projects Overview

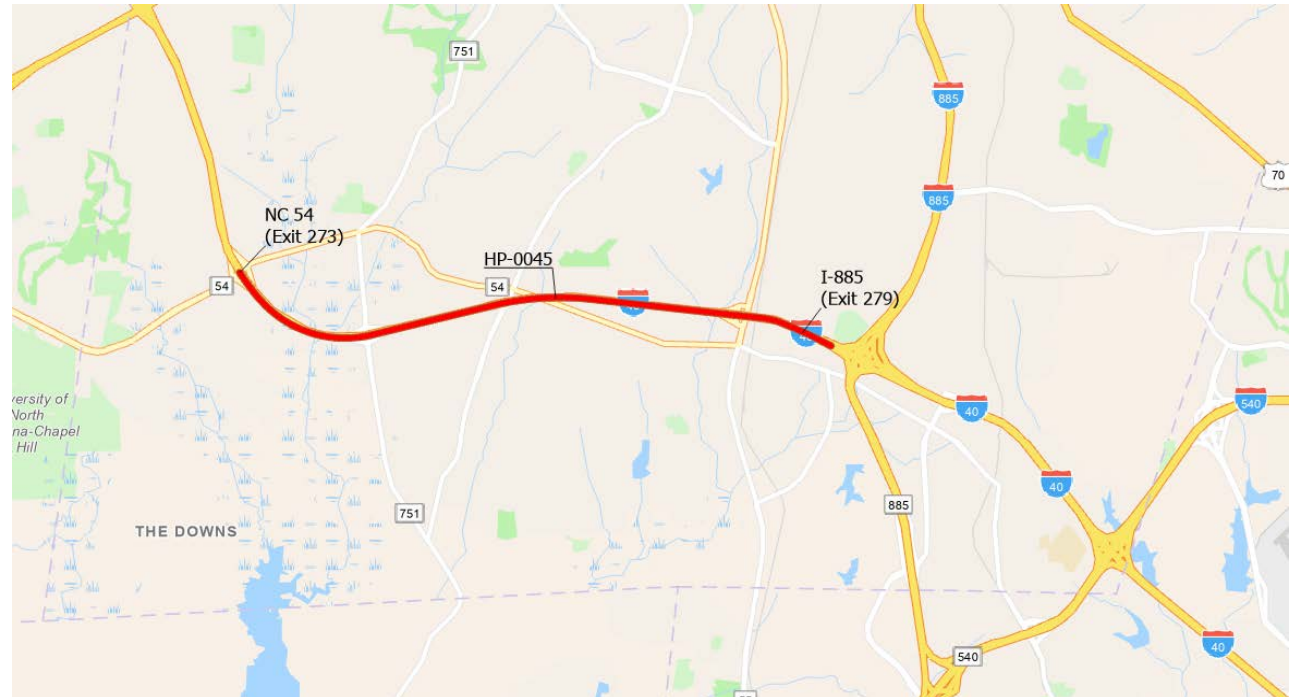


Planned Projects and Studies

HP-0045 – NC 54 to (Exit 273) to I-885 (Exit 270)

PLANNED Projects and Studies

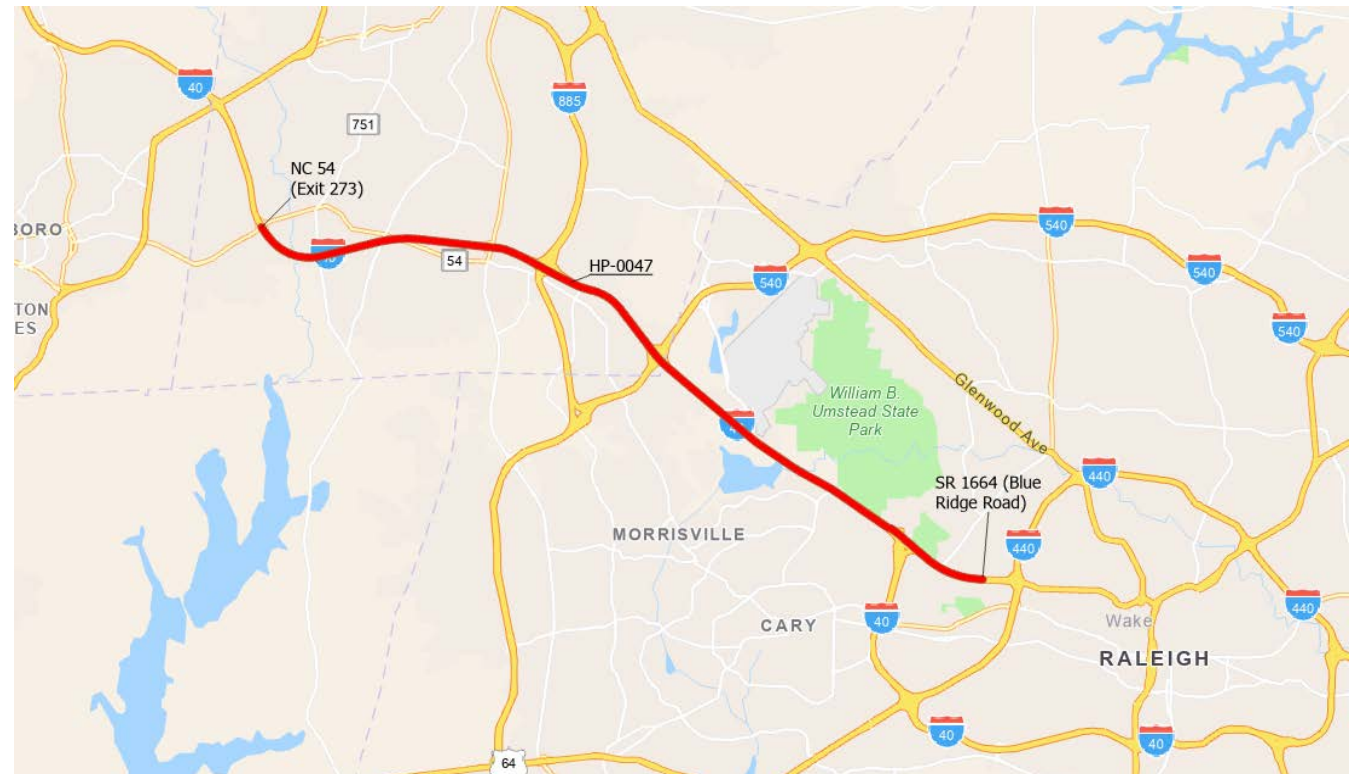
- Dynamic Inside Shoulder Use
- High Level Design Effort
- Roadway and Technology Confirmation
- Operational Concept



HP-0047 – NC 54 (Exit 273) to Wade Avenue at Blue Ridge Road

PLANNED Projects and Studies

- Managed Motorway Improvements
- High Level Design Effort
- Technology Confirmation
- Operational Concept



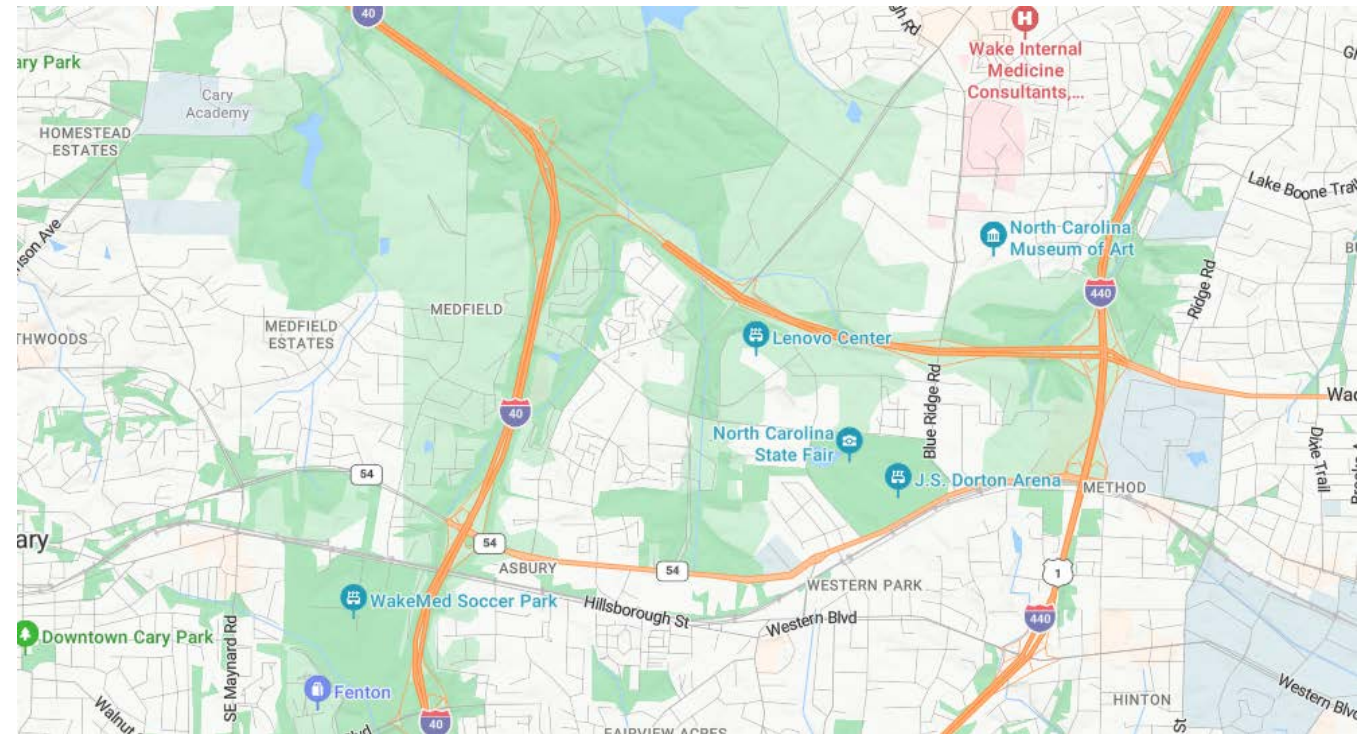


Event Management

PLANNED Projects and Studies

Goal: Tactical Traffic Management Plan

- Major Events
 - NC State Fairgrounds
 - Carter-Finley Stadium
 - Lenovo Center
- Redevelopment
- Roadway Projects



I-40 Rapid Implementation Task Force

I-40 Task Force

- **Purpose**
 - Created July 2025
 - Establish a focused group to recommend *strategic goals* for I-40 across the Regional Partnership area.
 - Align recommendations with funding opportunities and stakeholder priorities:
 - Low cost
 - Rapidly implementable
- **Representation**
 - MPOs
 - Municipalities
 - Transit agencies
 - NCDOT
 - Private Engineering Firms
 - Other RTA members

I-40 Task Force

- **Workshop Details**

- February 2026
- About 50 participants
 - ~20 public sector staff
 - ~20 private sector staff
 - Other RTA members
- Department presentations

- **Group Activity and Goals**

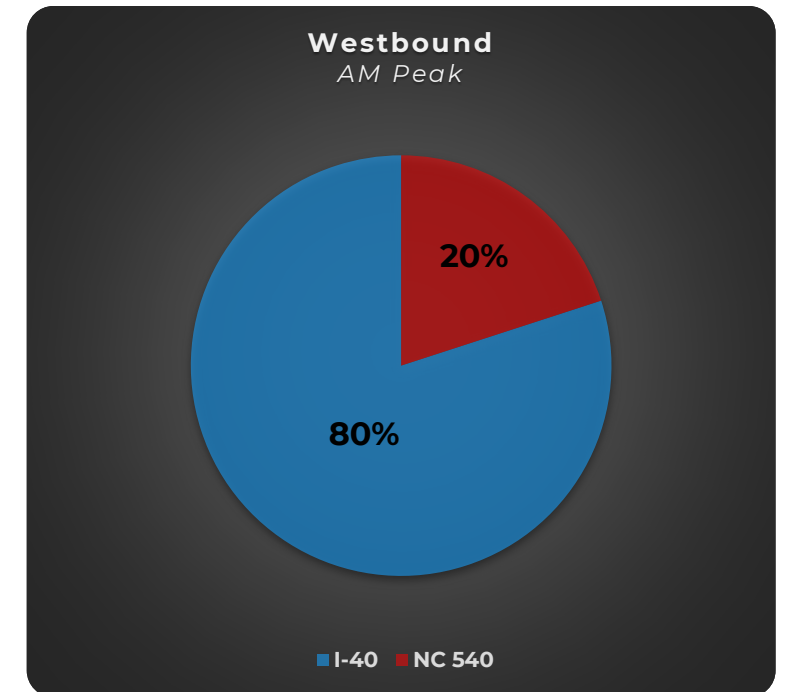
- Small groups focused on specific sections
- Facilitators guided conversation and took notes
- Identify operational issues along I-40 between I-85 to I-95
- Develop low cost and/or rapidly implementable solutions

Deployment Guides and Design Guidance

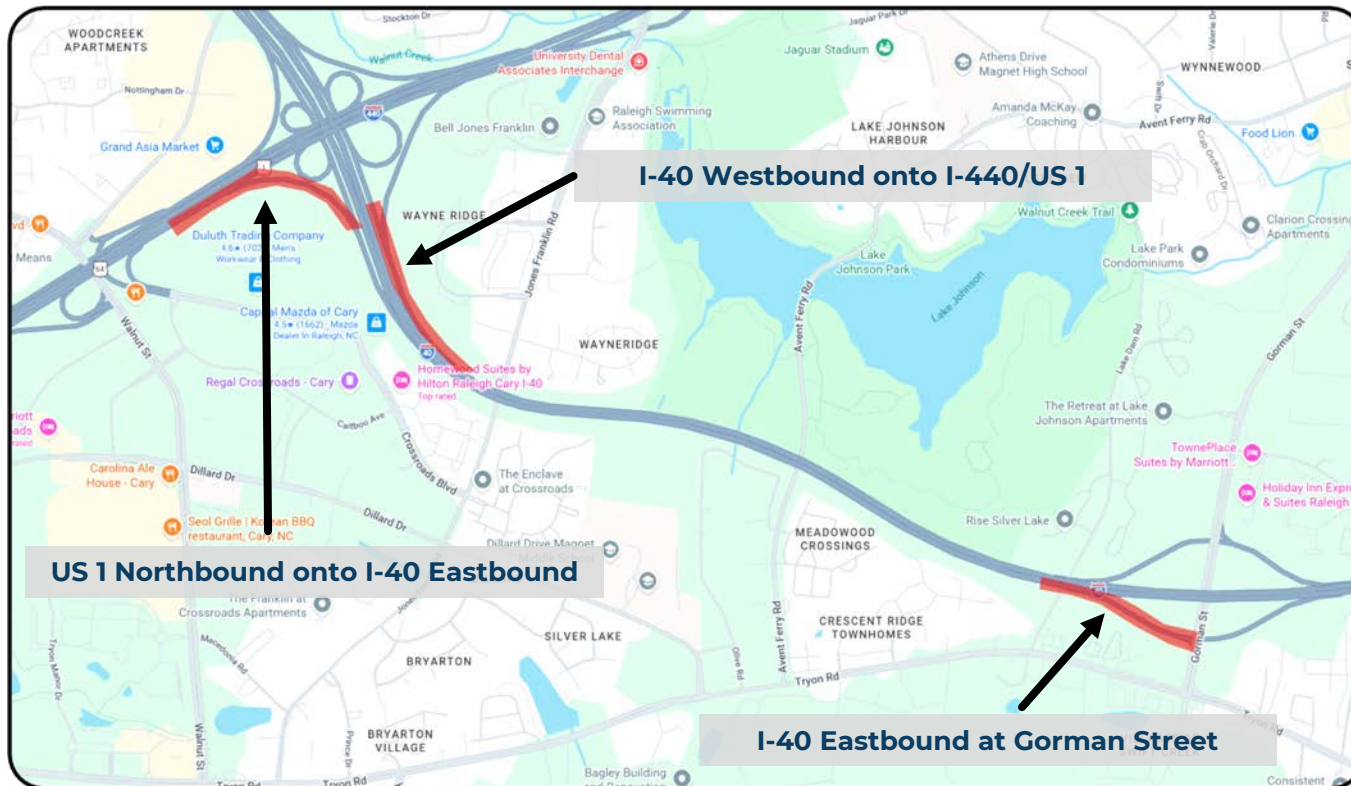
- Hard shoulder running
- Variable speed limits
- Ramp meters

I-40 Task Force

Origin-Destination Data since recent NC 540 extension completion



Regular Queuing to Freeway



A map of the Research Triangle Park area. A red line highlights a route starting from the south, following I-85 north, then turning east onto I-405, and finally turning north onto I-85 again. The map includes labels for various locations: Healthcare Corporation, Grifols Therapeutics, RTI Health Solutions, RTP Softball Fields 1 & 2, RTI International, Research Triangle Park, Boxvold RTP, Venture Partners, and Frontier RTP. Major roads like I-85, I-405, I-95, and I-77 are shown. The map also indicates the location of the USDA Forest Service, Southern Research, and the University of North Carolina at Chapel Hill.

A map of the study area in the Charlotte, North Carolina area. The map shows the location of the study site (red line) relative to major roads and landmarks. The study site is located on the north side of the city, near the intersection of I-77 and I-85. Other landmarks shown include the State Employees Credit Union, the Charlotte-Mecklenburg Schools, and the US Federal Reserve Bank. The map also shows the locations of several schools, including the Charlotte-Mecklenburg Schools and the US Federal Reserve Bank. The map is oriented with North at the top.

The map displays the Raleigh-Durham area with four hotspots for the Eastern Bluebird. The hotspots are outlined in red and labeled: Hotspot 1 (near Morrisville), Hotspot 2 (near Cary), Hotspot 3 (near Cary), and Hotspot 4 (near Apex). The map includes major roads like I-405, I-85, and I-95, and various creeks and lakes. The map is powered by Esri.

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Thank you!

