



NORTH CAROLINA
Department of Transportation

NCDOT Division 5, Project Development

Projects U-5747A, U-5747B, and U-5750 Status Update

Date: 11/1/2024

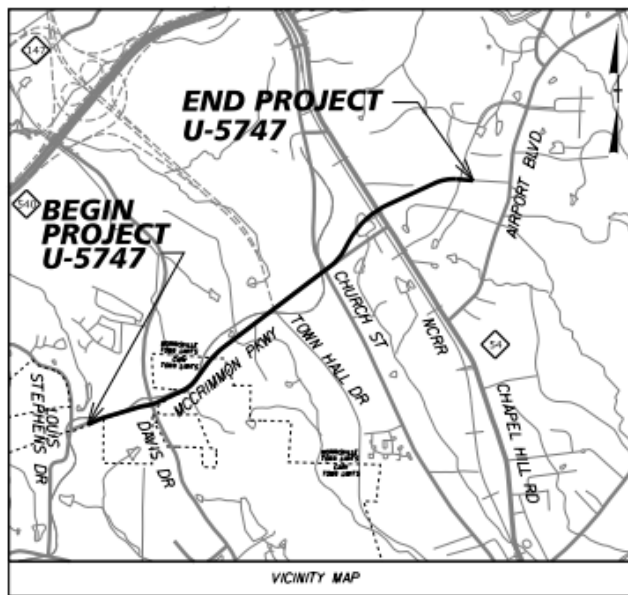
Connecting people, products and places safely and efficiently with customer focus, accountability and environmental sensitivity to enhance the economy and vitality of North Carolina

STATE OF NORTH CAROLINA

DIVISION OF HIGHWAYS

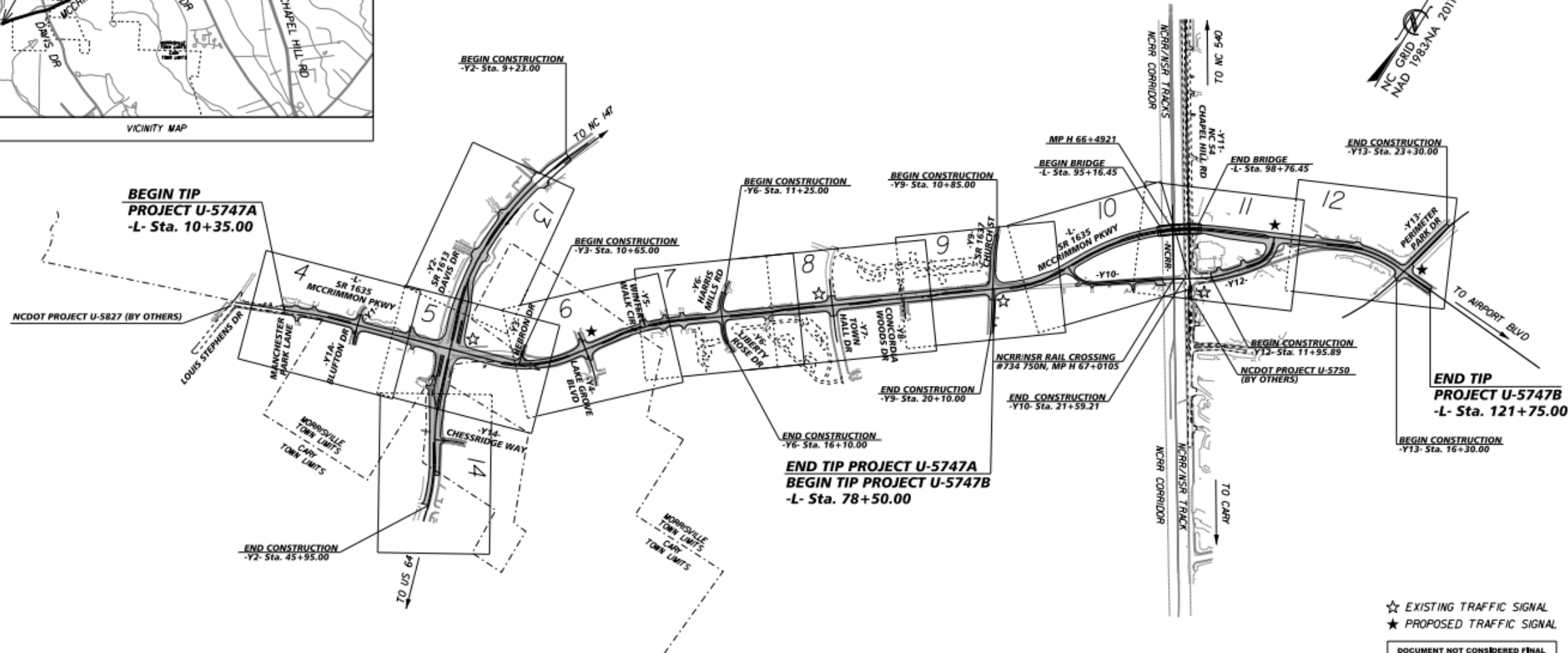
WAKE COUNTY

N.C.	U-5747A/B	1
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION
50167.1.1		P.E. (U-5747A/B)
50167.2.2		R/W (U-5747A)
50167.2.3		R/W (U-5747B)
50167.2.4		UTL (U-5747A)
50167.2.5		UTL (U-5747B)
50167.3.2		CONST(U-5747A)
50167.3.3		CONST(U-5747B)



LOCATION: SR 1635 (MCCRIMMON PARKWAY) FROM WEST OF SR 1613 (DAVIS DRIVE) TO PERIMETER PARK DRIVE

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



U-5747: McCrimmon Parkway Improvements

Project Description

- Split into two projects:
 - U-5747A: west of intersection of McCrimmon Parkway and Church St.
 - U-5747B: east of intersection of McCrimmon Parkway and Church St.
- **U-5747A:** Widening McCrimmon Parkway to a 4-lane typical section divided by a 23' median.
- Constructing a Continuous Flow Intersection (CFI) at Davis Drive intersection. Construction will occur during a weekend, turning movements will be limited and traffic at the intersection will be controlled by police or flaggers.

U-5747B: Constructing a new location grade-separated crossing of McCrimmon Parkway over NCRR Railroad and NC 54 (Chapel Hill Rd). All tie-ins to existing McCrimmon Parkway will occur during road closures

U-5747: McCrimmon Parkway Schedule / Cost

Project Schedule

- R/W Certification Winter 2024
- Utility Relocation Starts Winter 2024
- Construction Letting Feb 17, 2026

Will be let combined with U-5750.

Cost Estimate

- **U-5747A:**
 - Right of Way: 6,256,000
 - Utility Relocation: 550,000
 - Construction: 28,100,000
 - **U-5747A Total: 34,906,000**
- **U-5747B:**
 - Right of Way: 10,070,000
 - Utility Relocation: 620,000
 - Construction: 31,700,000
 - **U-5747B Total: 42,390,000**
- **U-5747 Total: 77,296,000**

Traffic Control Concept (Early Stage of Development)

U-5747

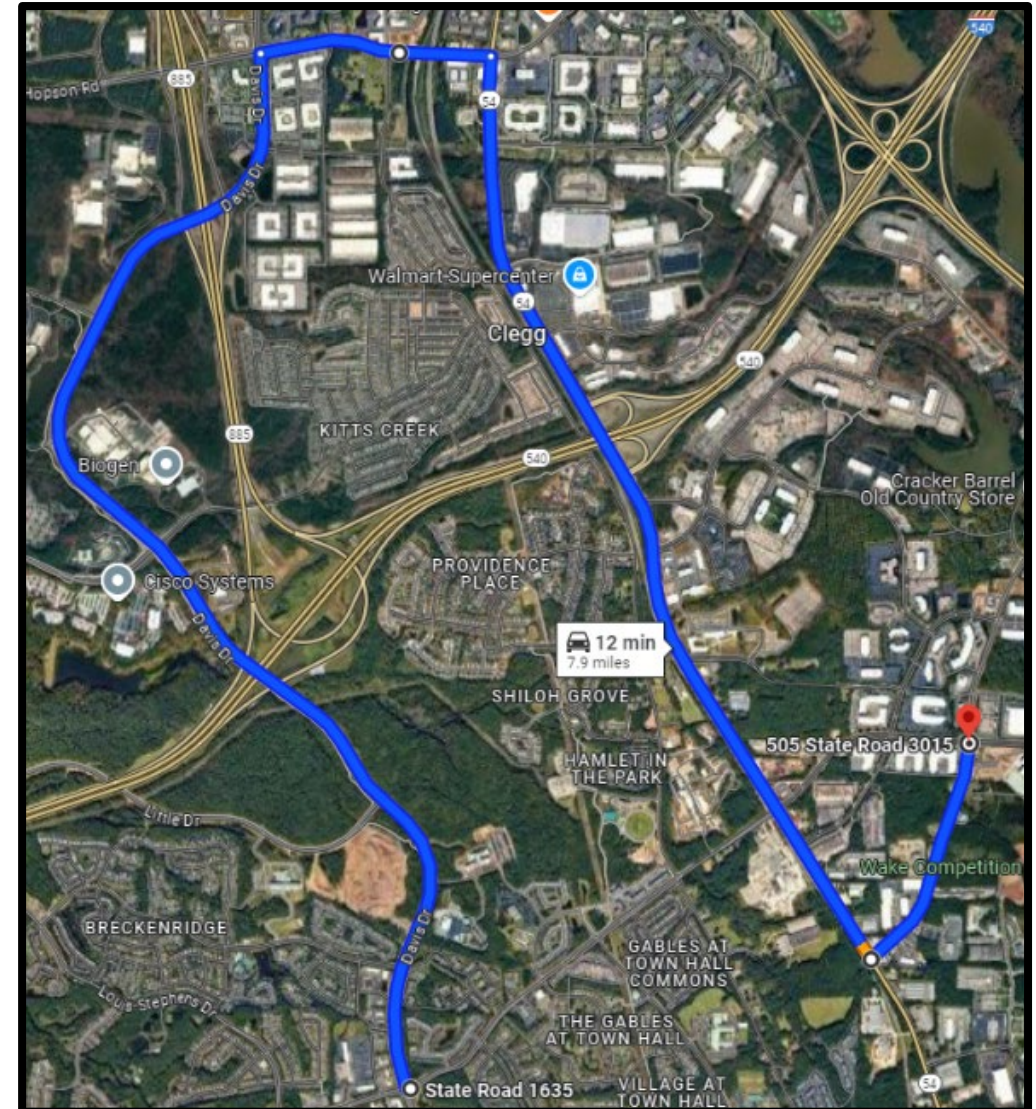
- U-5747 Shall be constructed with traffic shifts, temporary lane closures and temporary road/intersection closures with offsite detour routes.
- Pedestrian detours and construction sequencing will be set up in areas where connectivity presently exists.
- Coordinate with NCRR and Norfolk Southern for any construction item requiring a rail crossing closure.

McCrimmon Parkway Closure

- McCrimmon Parkway will be closed between Church St and perimeter Park Dr for approximately 65 days while tie-in occurs.

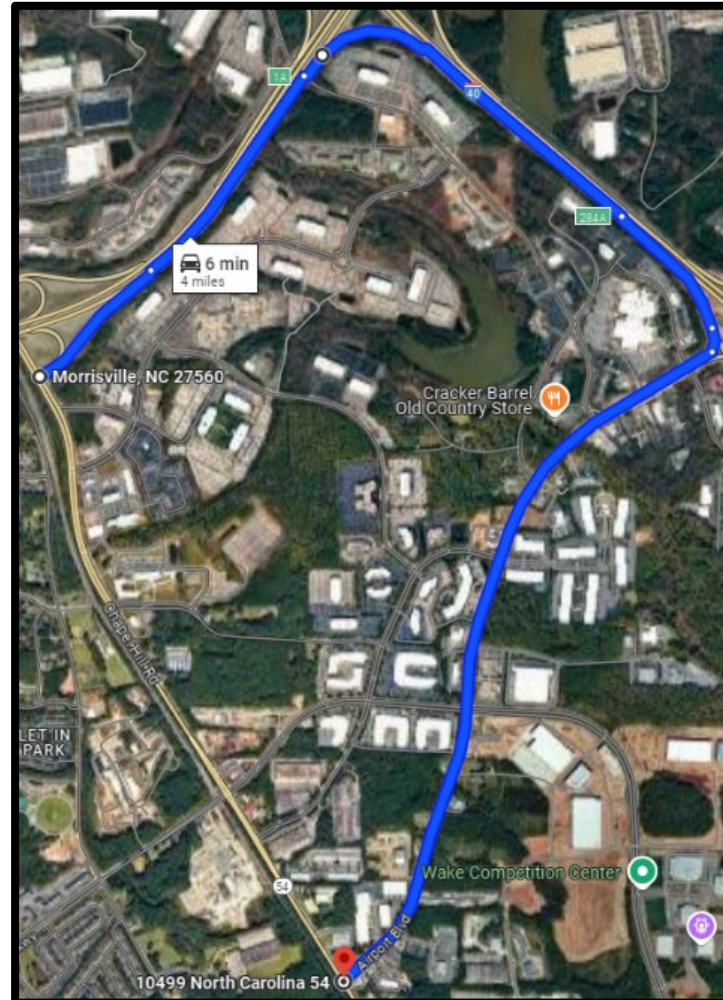
Detour:

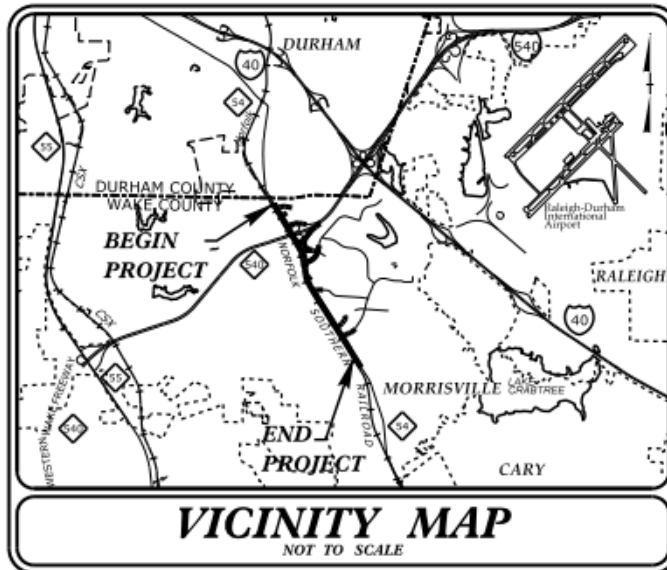
Airport Boulevard -> NC 54 -> Davis Drive -> McCrimmon Parkway.



Girder Installation

- Girder installation for McCrimmon Parkway Bridge over NC 54 will take place during night hours between 10pm and 6am using temporary closures and detours of NC 54.





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

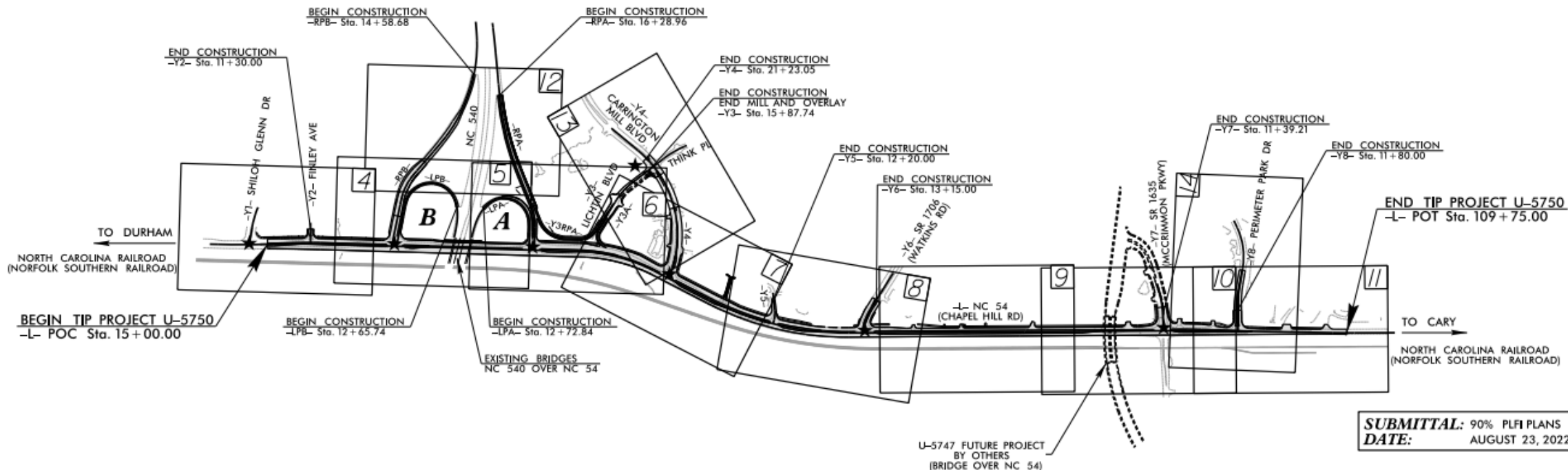
STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

WAKE COUNTY

**LOCATION: NC 54 WIDENING FROM WEST OF SHILOH GLENN DRIVE
TO EAST OF PERIMETER PARK DRIVE**

**TYPE OF WORK: GRADING, DRAINAGE, RETAINING WALL,
PAVING, AND SIGNALS**

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	U-5750	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
50170.1.1	N/A	PE	
50170.2.1	N/A	ROW/UTILITIES	
50170.3.1	N/A	CONSTRUCTION	



**SUBMITTAL: 90% PLF PLANS
DATE: AUGUST 23, 2022**

NC 54 IS A CONTROLLED ACCESS FACILITY WITHIN THE
LIMITS OF THE INTERCHANGE WITH NC 540.



PROPOSED SIGNAL

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

U-5750: NC 54 Improvements

Project Description

- Project Length: 1.862 miles
- Transform NC 54 into a multi-lane median divided principal arterial with no control of access.
- Widening NC 54 separated into two areas:
 - Area 1: South of I-540 (Shiloh Glenn Dr) to Watkins Rd
 - Area 2: Watkins Rd to north of McCrimmon Pkwy
- Priority will be given to Area 2 due to McCrimmon Pkwy Bridge being unable to open before NC 54 has two lanes in each direction, coordinate with U-5747.

U-5750: NC 54 Schedule / Cost

Project Schedule

- R/W Certification May 02, 2024
- Utility Relocation Starts Winter 2024
- Construction Letting Feb 17, 2026

Will be let combined with U-5747.

Cost Estimate

- **U-5750:**
 - Right of Way: \$6,967,000
 - Utility Relocation: \$1,700,000
 - Construction: \$29,400,000
 - **Total: \$38,067,000**

Traffic Control Concept (Early Stage of Development)

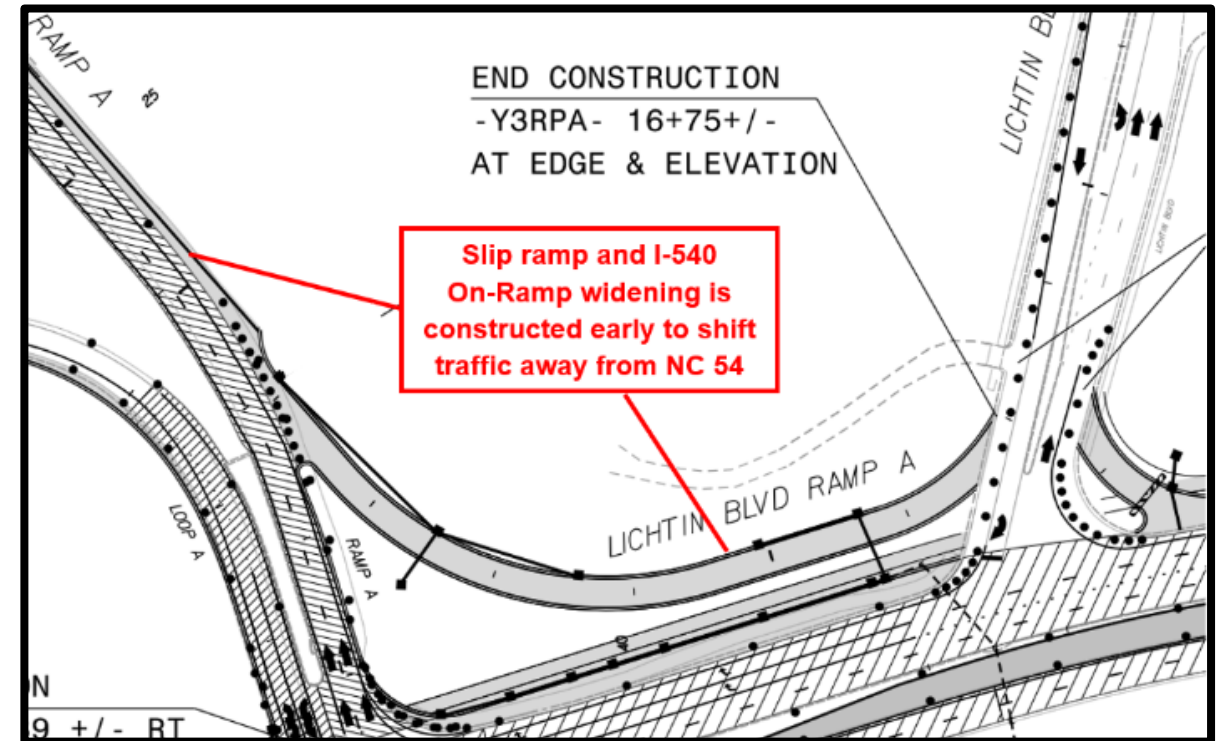
U-5750

- U-5750 Shall be constructed with traffic shifts, signal modifications, and flaggers. Lanes will be maintained during peak hours.
- 540 West (toll) on ramp will be constructed at night with temporary detour to I-40 interchange.



Traffic Control Concept

- Area 1 Slip ramp construction and on-ramp widening done early to divert traffic from NC 54.



Town of Morrisville Betterments

U-5747

- Streetlight conduit instillation
- Bridge rail lighting for walkway.
- Bridge aesthetics on retaining walls.
- Church Street Park road improvements.
- Bike lanes between U-5747 and U-5828.
- Pedestrian safety enhancements at Davis Drive and Parkside Valley Drive.

U-5750

- Streetlight conduit instillation.
- Perimeter Park Improvements.
- Carrington Mill Boulevard and Lichtin Boulevard signal (Metal poles with mast arms and pedestrian accommodations).
- Irrigation to landscape medians.

Questions?

Contact Us

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Thank you!

