



NC Capital Area **Metropolitan Planning Organization**

WELCOME!

***Today's TCC meeting is being held online.
The meeting will begin shortly.***

Please be prepared to mute your audio following roll call.

Call In: 650-479-3208 Meeting Code: 477 159 580 Meeting Password: MEET

PUBLIC COMMENTS SPEAKER SIGN UP SHEET:

https://docs.google.com/spreadsheets/d/10cAKGbl_3GczoQVLuYZ2ZX16vkiy5nrPD4vbqKn_u_aM/edit#gid=916175477

Download Presentation Slides: <https://campo.legistar.com/Calendar.aspx>



NC Capital Area **Metropolitan Planning Organization**

Technical Coordinating Committee Meeting

September 3, 2020

10:00 AM

1. Welcome and Introductions

Roll Call of Voting Members & Alternates

City of Creedmoor

City of Raleigh (5)

County of Franklin

County of Granville

County of Harnett

County of Johnston

County of Wake (2)

GoCary

GoRaleigh

GoTriangle

Town of Angier

Town of Apex

Town of Archer Lodge

Town of Bunn

Town of Cary (2)

Town of Clayton

Town of Franklinton

Town of Fuquay-Varina

Town of Garner

Town of Holly Springs

Town of Knightdale

Town of Morrisville

Town of Rolesville

Town of Wake Forest

Town of Wendell

Town of Youngsville

Town of Zebulon

N.C. Dept. of Transportation (6)

N.C. State University

Raleigh Durham Airport Auth.

Research Triangle Foundation

Rural Transit (GoWake Access)

Triangle J. Council of Govts.

Triangle North Executive Airport

2. Adjustments to the Agenda

3. Public Comments

This is an opportunity for comments by those in attendance. Please limit comments to three minutes for each speaker.

4. Minutes

4.1 TCC Meeting Minutes: August 6, 2020

Requested Action:

Approve the August 6, 2020 Meeting Minutes.

5. Regular Business

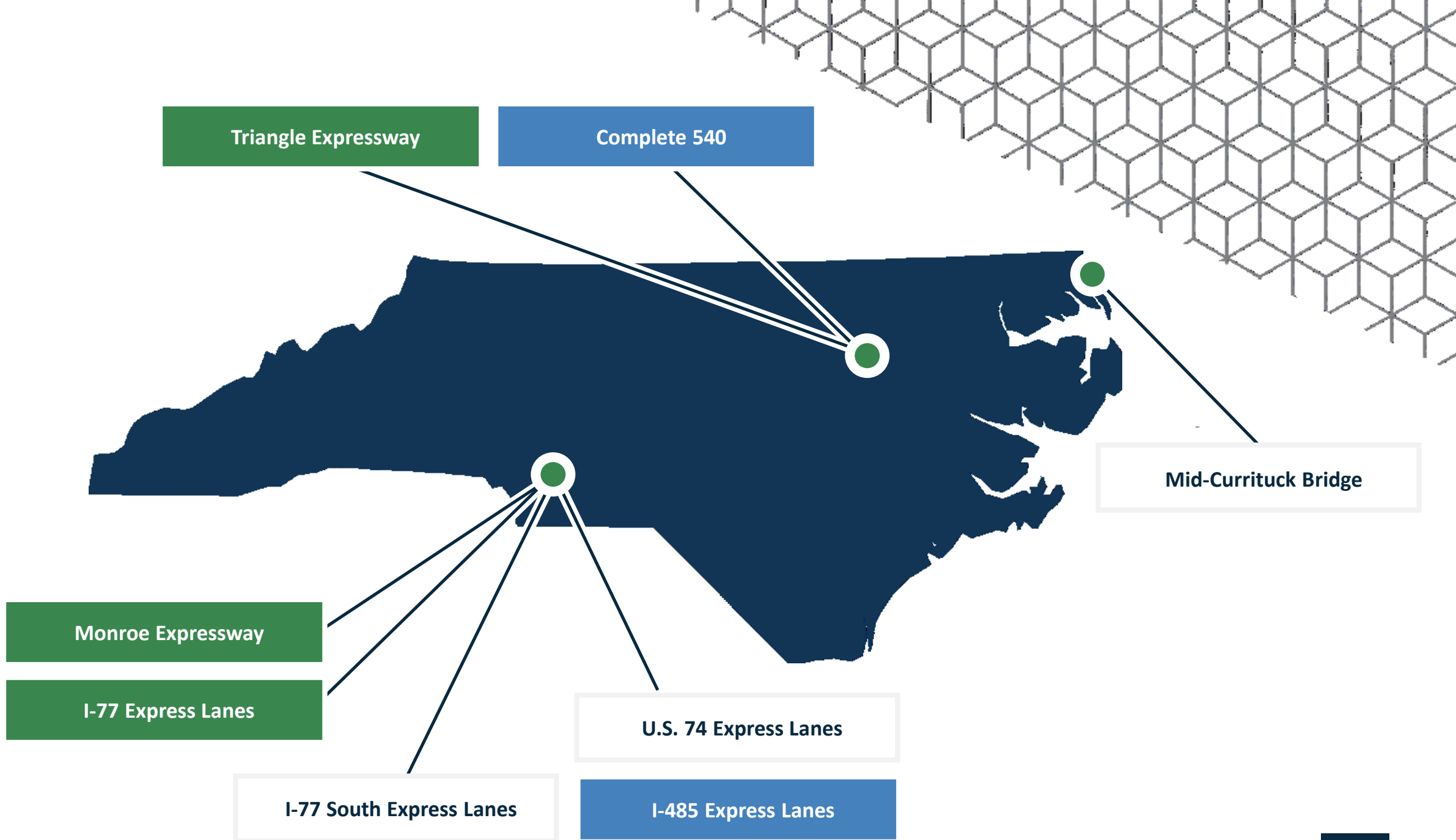
5.1 Complete 540 Update

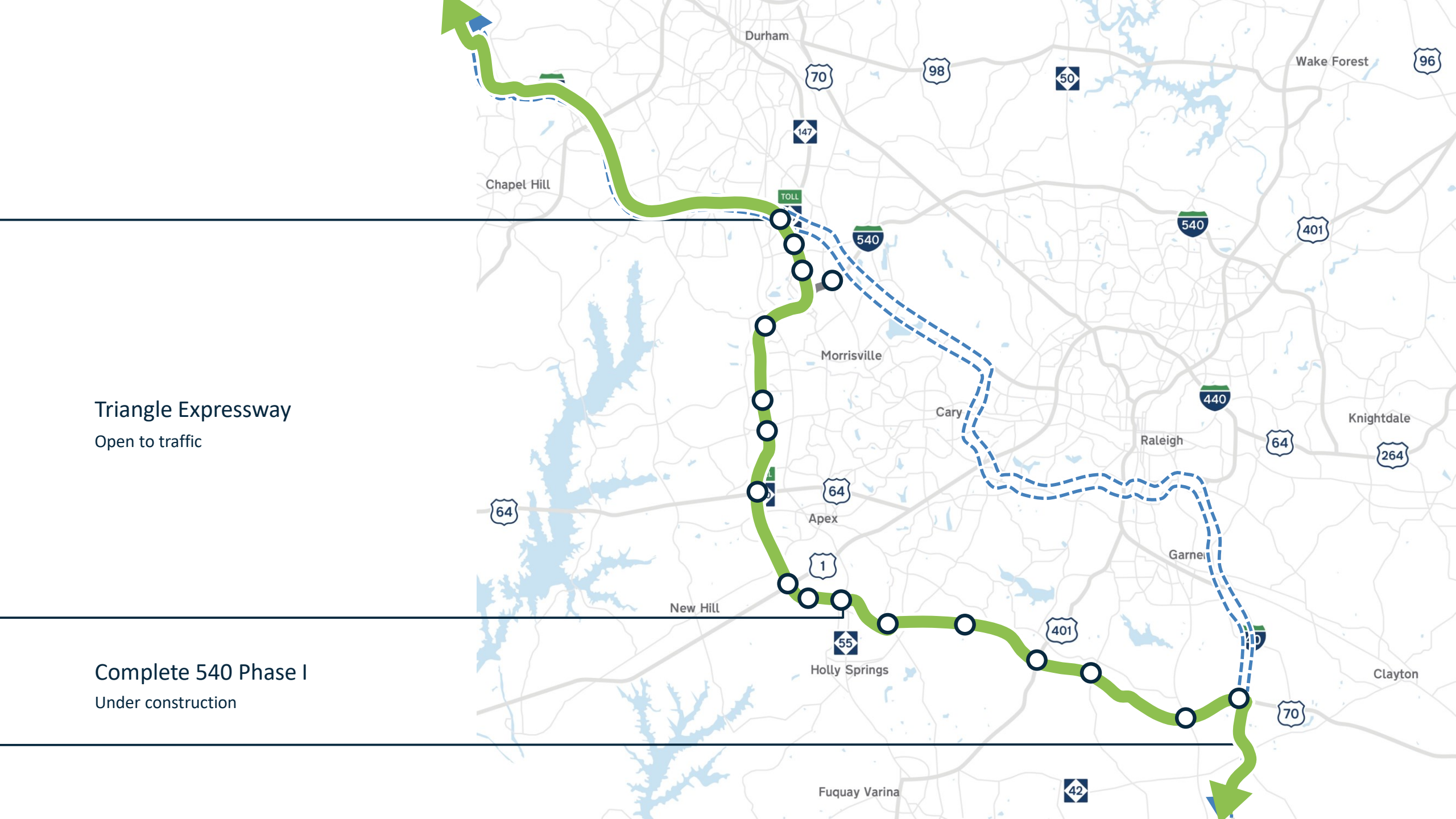
CAMPO TCC Complete 540 Update

Dennis Jernigan, P.E.
Rodger Rochelle

September 3, 2020



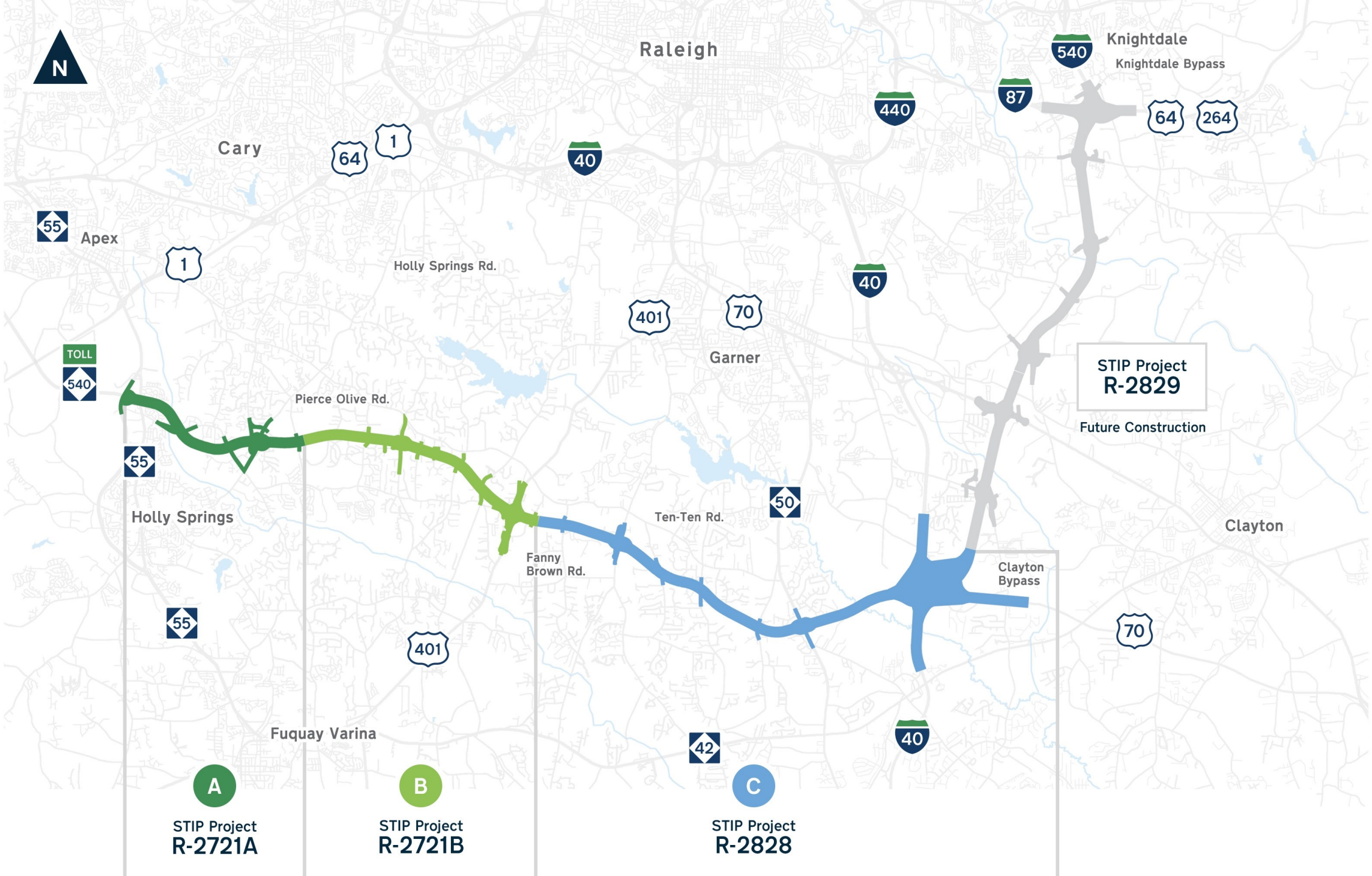




Triangle Expressway
Open to traffic

Complete 540 Phase I
Under construction

Phase I of Construction

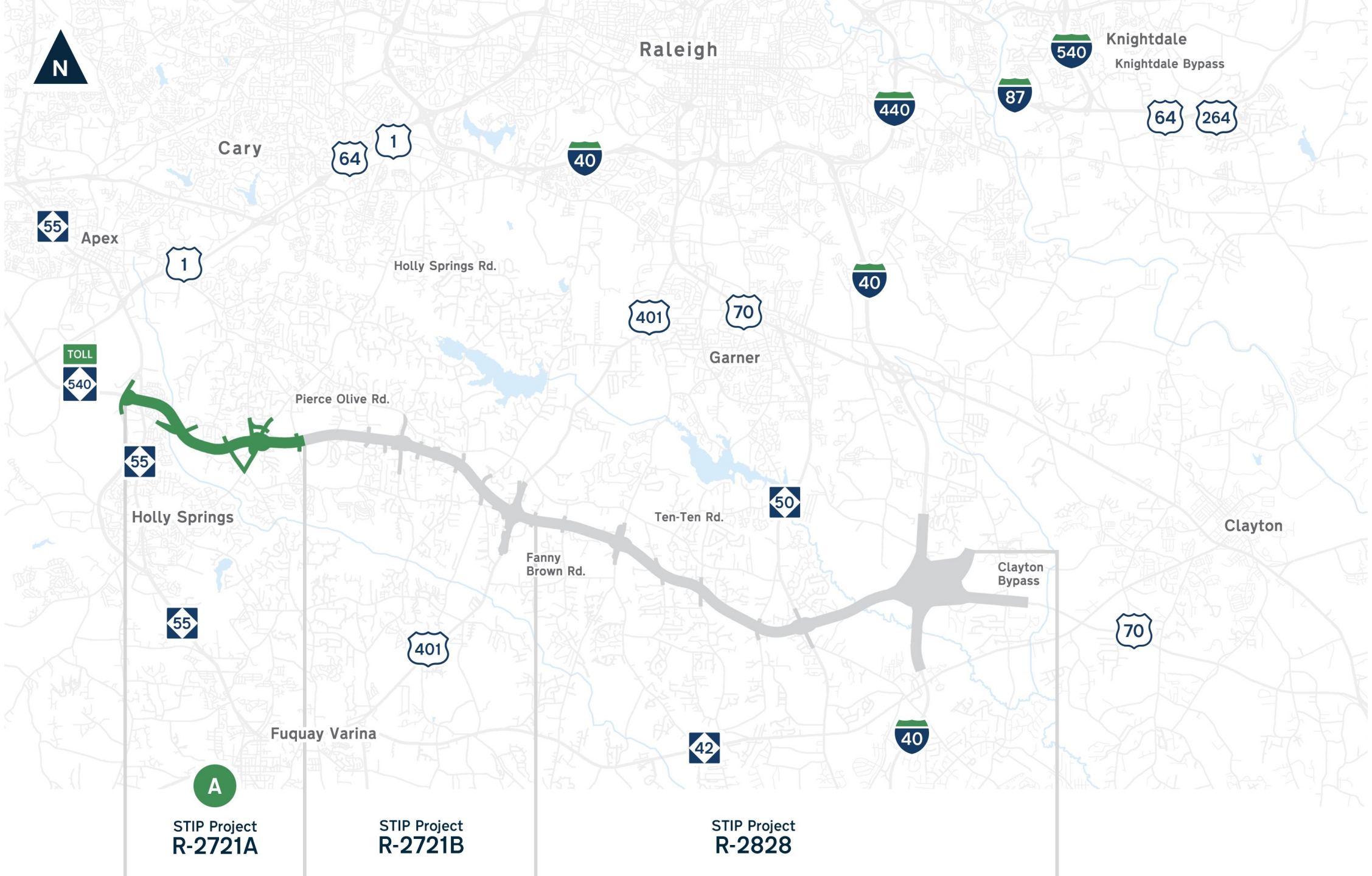


A
STIP Project
R-2721A

B
STIP Project
R-2721B

C
STIP Project
R-2828

STIP Project
R-2829
Future Construction



STIP Project
R-2721A

STIP Project
R-2721B

STIP Project
R-2828

R-2721A



FLATIRON



A

77%

Plans for
Construction

4.3 miles

Length of Project

\$183.5M

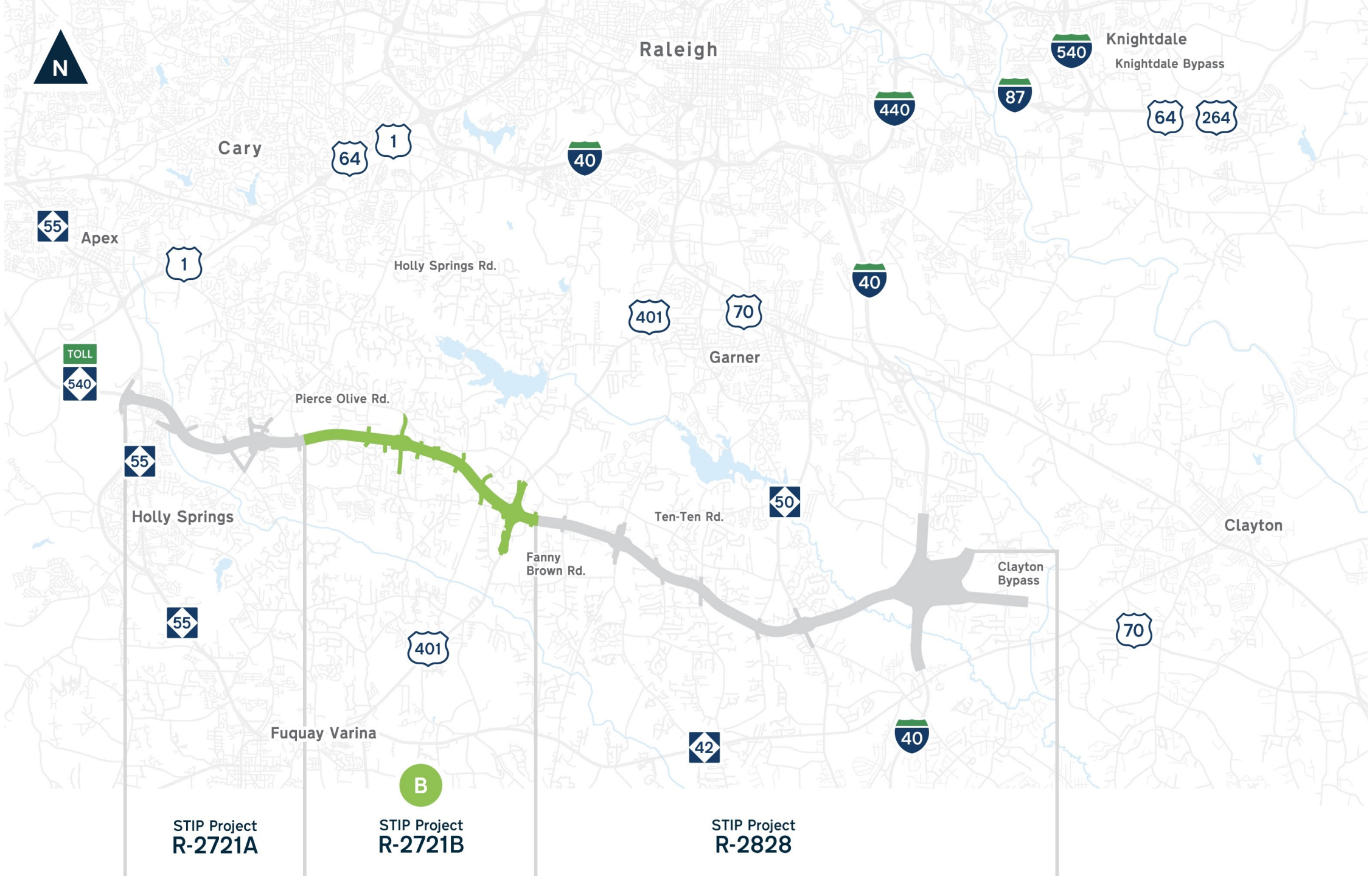
Cost of Contract

196

Design Submittals

98%

Parcels Settled



STIP Project
R-2721A

STIP Project
R-2721B

STIP Project
R-2828

R-2721B



FLATIRON



B

83%

Plans for
Construction

4.9 miles

Length of Project

\$160.0M

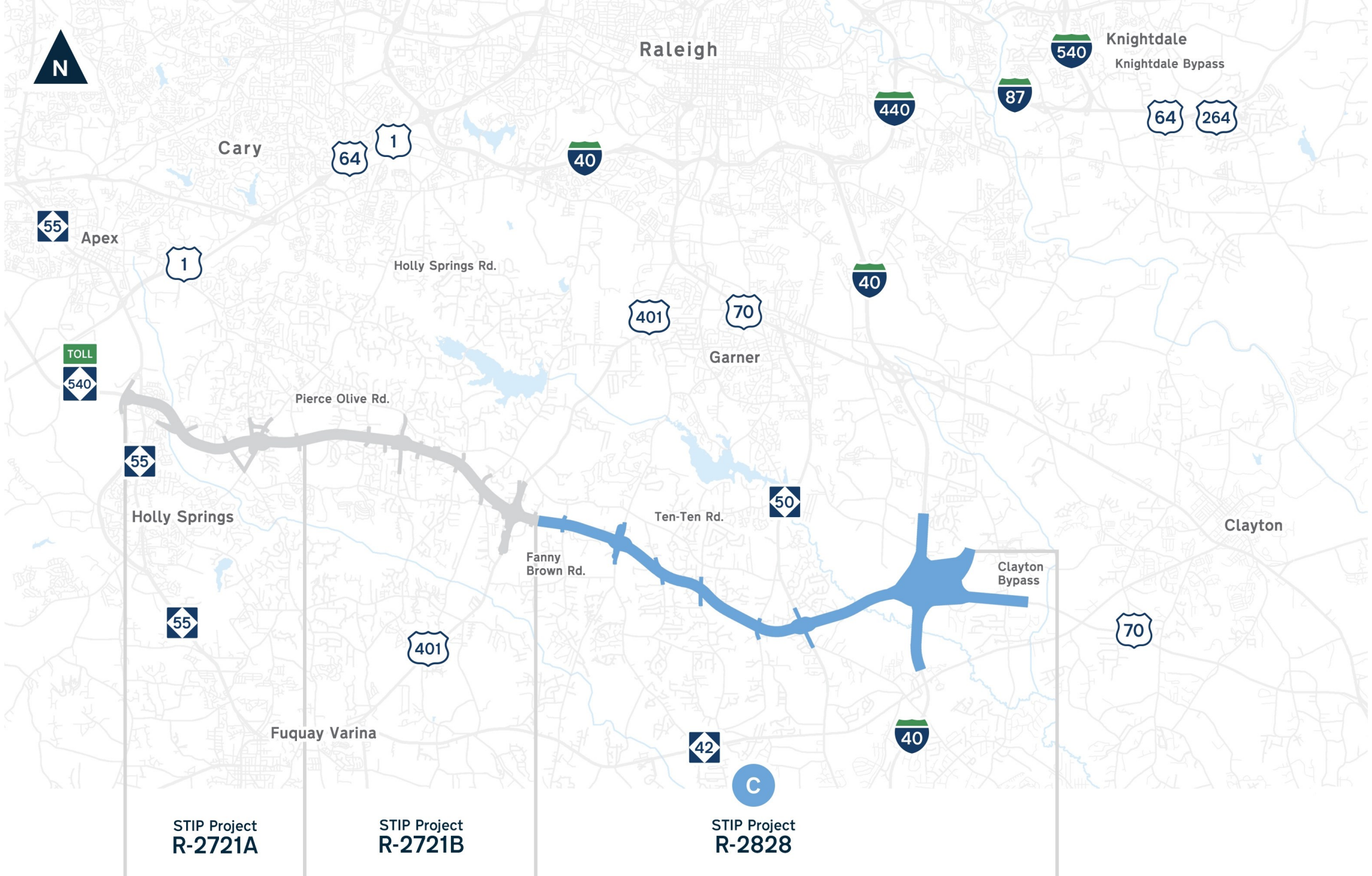
Cost of Contract

170

Design Submittals

96%

Parcels Settled



STIP Project
R-2721A

STIP Project
R-2721B

STIP Project
R-2828

R-2828



C

93%

Plans for
Construction

8.6 miles

Length of Project

\$403.2M

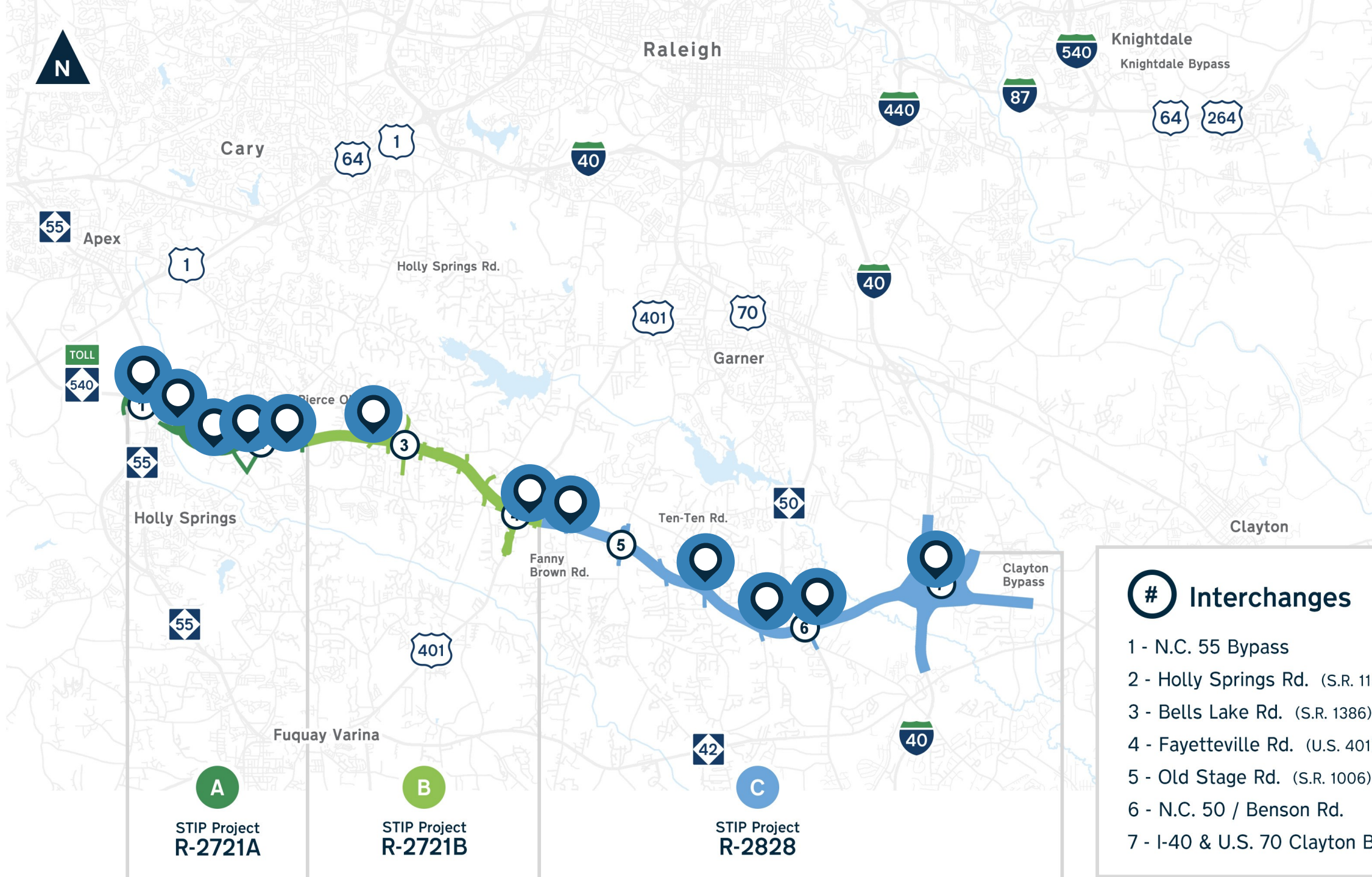
Cost of Contract

390

Design Submittals

89%

Parcels Settled













Interchange

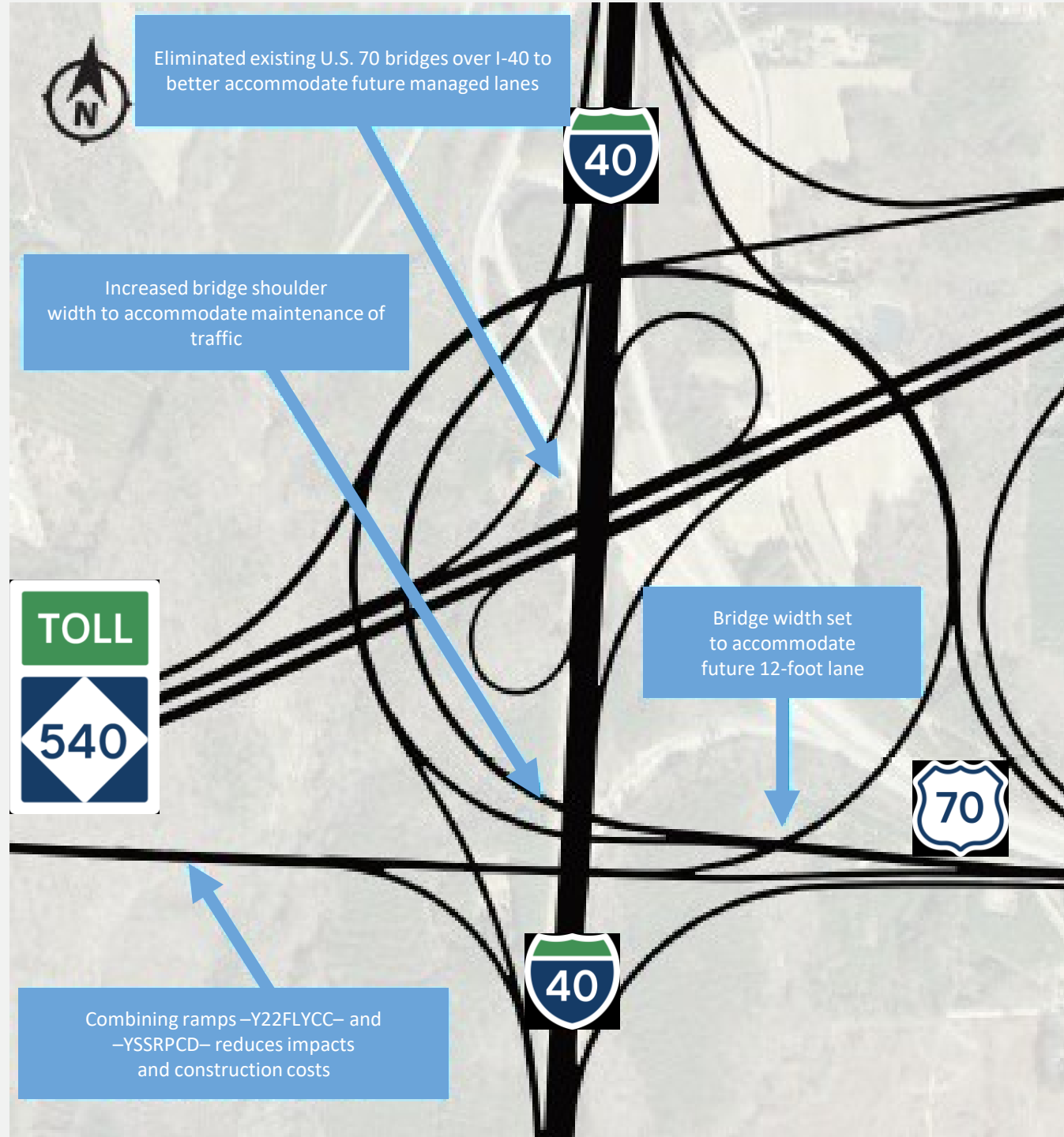
I-40 / U.S. 70



Interchange I-40 / U.S. 70



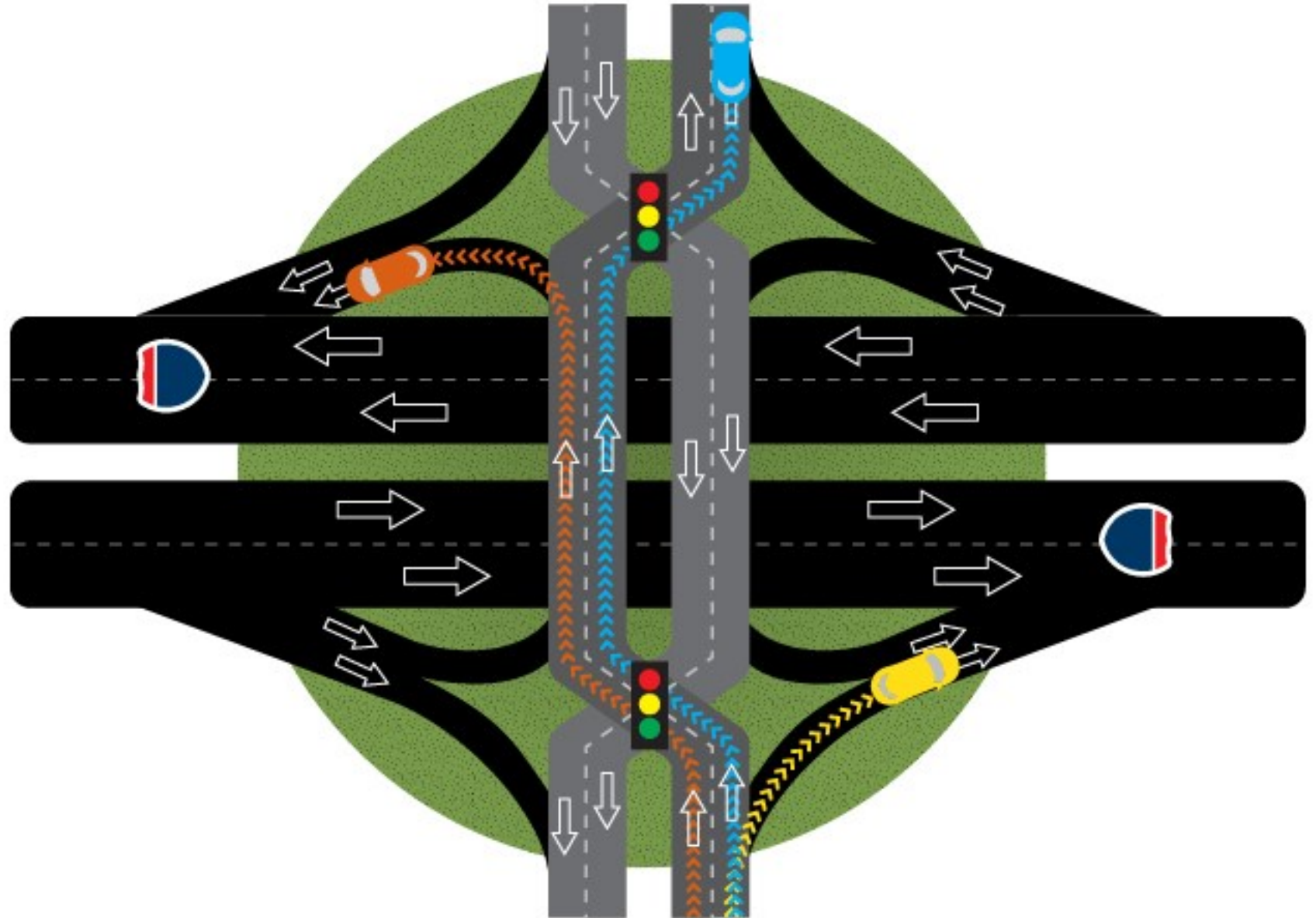
c



Design

Diverging Diamond Interchange

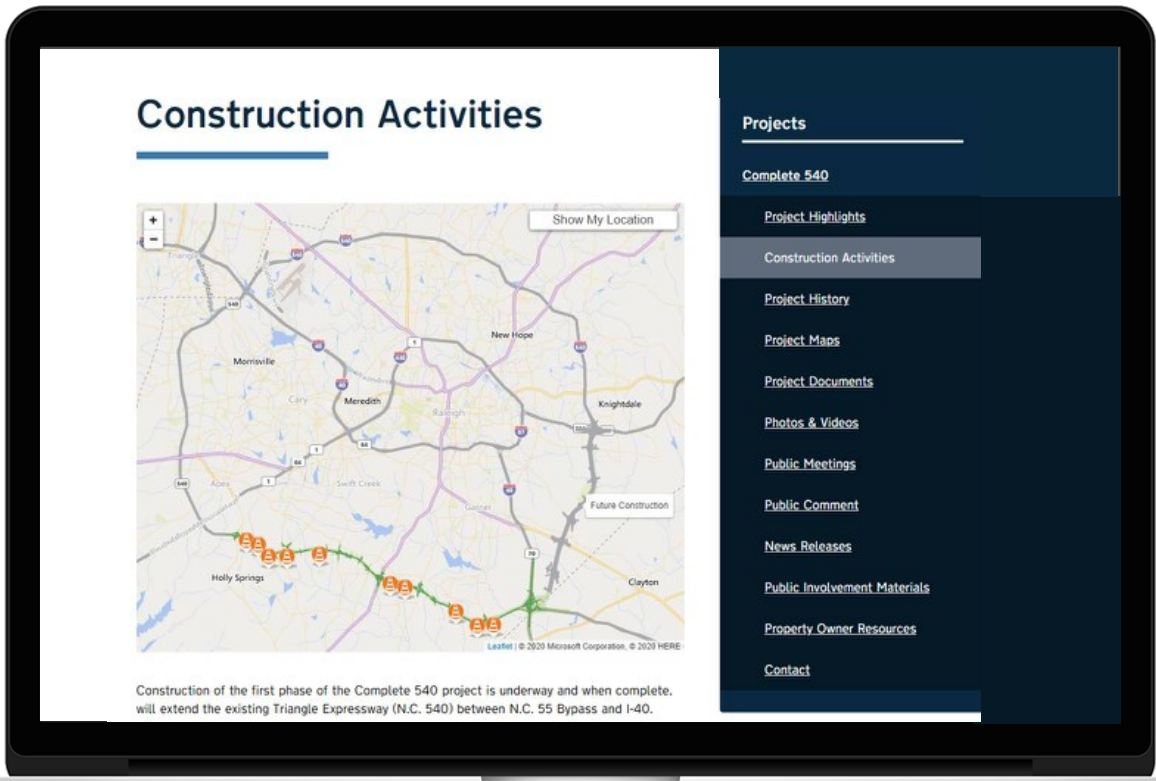
A





Latest Activity

Complete 540 Interactive Map



creative

connected

convenient



Turnpike Projects



The N.C. Turnpike Authority is authorized to study, plan, develop, build, operate and maintain toll projects.

Divisions

[About](#)

[Sections & Units](#)

[News](#)

[Turnpike Projects](#)

[Toll Collection](#)

[Turnpike Governance](#)

[Investor Relations](#)

[Doing Business](#)



Community Outreach

Complete 540 Outreach



Virtual Meetings

Nearly 200 participants over 4
virtual meetings



Informing Residents

7652 postcards sent &
11 Nextdoor posts

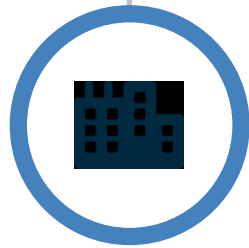


Resident Inquiries

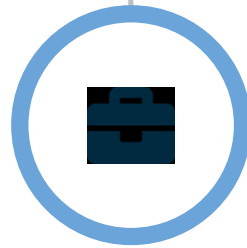
128 calls & 235 emails to the Complete
540 Hotline



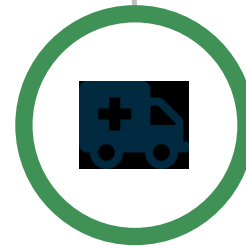
Residents /
HOAs



Municipalities



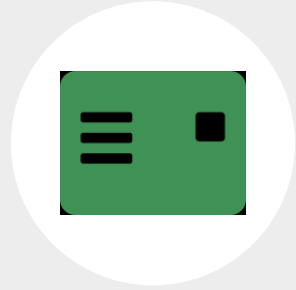
Businesses



Emergency
Services



Federal
Agencies



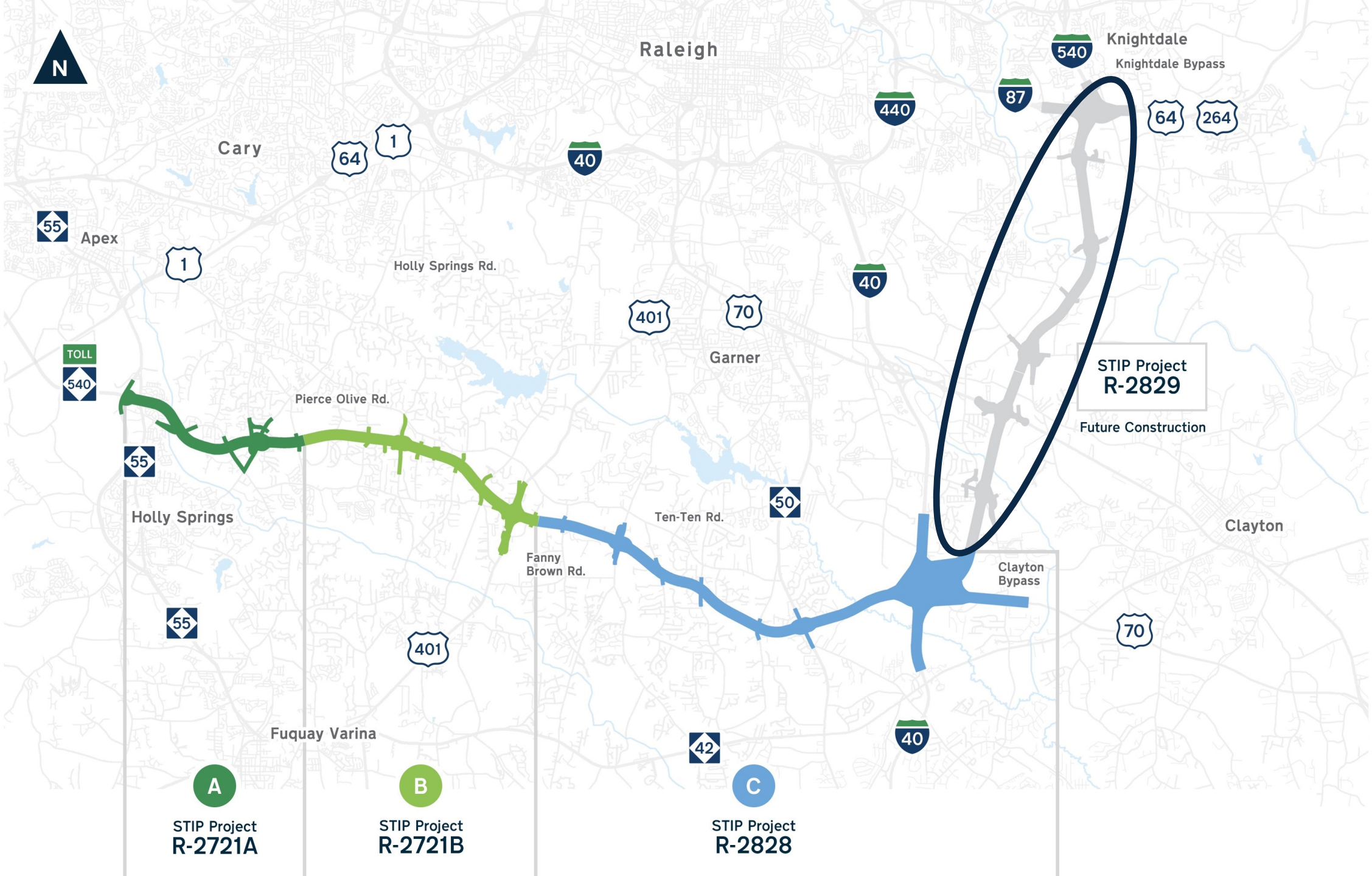
“

That was a very nicely managed webex. The facilitation and instructions were clear and to the point. Very well managed on task.

”



Complete 540 Phase II



A
STIP Project
R-2721A

B
STIP Project
R-2721B

C
STIP Project
R-2828

STIP Project
R-2829
Future Construction

Project Readiness

Completed Activities

- Environmental Document
- Section 404/401 Corridor Permits
- Biological Opinion
- Air Quality Conformity
- Preliminary Design/Public Hearing Map
- Final Surveys
- Interchange Access Reports
- Service Road Study

Activities Underway

- Reevaluation of Traffic Forecasts and Analysis
- Refining Preliminary Design
- Confirming Environmental Mitigation Availability
- Traffic and Revenue Studies
- Roadway and Structure Geotechnical Investigations

Future Preconstruction Activities

- Refining Project Cost Estimate
- Other Financial Preparations
- Pavement Design and Life Cycle Cost Analyses
- Plans for right-of-way acquisition (no MAP Act)
- Utility Coordination
- Railroad Coordination
- Procurement Strategy
- Industry Coordination

Contact Us

■ ncdot.gov/complete540

■ complete540@ncdot.gov

■ 1-800-554-7849

■ @NCTurnpike

@NC_QuickPass



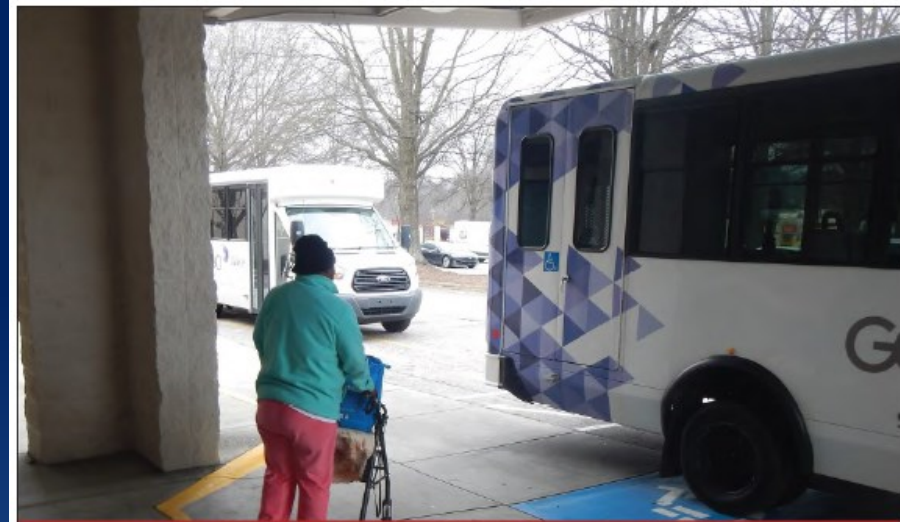
Thank you!

5.1 Complete 540 Update

Requested Action:
Receive as information.

5.2 5310 Enhanced Mobility of Seniors and Individuals with Disabilities Program Management Plan Update

Program Management Plan Section 5310



GoRaleigh

5310 Program Management Plan

March
2020

Prepared for:



Prepared by:



The Program Management Plan

- Federally required document
- Developed by the City of Raleigh in coordination with CAMPO along with input from local stakeholders
- Outlines how FTA Section 5310 funding is administered and roles/responsibilities of grantors and grantees
- Includes information on eligible applicants, eligible projects, local projects selection criteria, etc.

Section 5310: Federal funding designated for enhanced mobility services/projects for seniors and individuals with disabilities.

The Program Management Plan

Reasons for Update

- Ensures document is in accordance with the latest federal transportation guidance (Previously MAP-21, now FAST Act).
- Ensures it aligns with the 2019 and 2020 update of the Locally Coordinated Human Service Public Transit Plan.
- Includes a more robust application process, requiring more detailed financial information and giving a clearer explanation of financial oversight and auditing processes.

The Program Management Plan





Public Comment Period

Aug 14th to Sept 13th

- City and CAMPO Website
- City email to Multiple Listservs (5000+ contacts)
- City Transit Newsletter
- City and CAMPO Social Media Postings
- **No Comments Received, *as of this date***

The Program Management Plan

Timeline

2015	Approval of Current Edition of the PMP	
2019	Feedback collected from applicant and scoring committee during previous grant cycle	
Fall 2019- Spring 2020	CAMPO and GoRaleigh staff work session and development of draft	
<i>**Interruption in the process due to COVID-19</i>		
August 2020	RTA Initial / CAMPO Staff Review	
	Public Comment Period (Aug 14 to Sept 13)	Currently Underway
Sept 2020	RTA Approval / CAMPO Endorsement	Final Step

5.2 5310 Enhanced Mobility of Seniors and Individuals with Disabilities Program Management Plan Update

Requested Action:

Recommend endorsement of the updated GoRaleigh 5310 Program Management Plan to the Executive Board.

5.3 Transit Asset Management Performance Measures & Targets for State of Good Repair

5.3 Transit Asset Management Performance Measures & Targets for State of Good Repair

- Per federal requirements and agreement, CAMPO staff coordinated with the State and transit providers and met on August 4, 2020 to finalize 2021 DRAFT TAM Regional Performance Measures and Targets;
- Tier 1 transit agencies provided their Annual Certification Reporting form to show 2019/2020 performance and agency goals for next year. CAMPO staff recommends carrying over last year's goals for the 2020/2021 measures and targets;
- DRAFT 2020/2021 TAM regional targets posted for public comment from August 4 - September 3, 2020.

5.3 Transit Asset Management Performance Measures and Targets for State of Good Repair

Asset Class	Applicability	Performance Measure	2020/21 State Targets	2019/20 Regional Targets	Proposed 2020/21 Regional Targets
Equipment	Non-revenue vehicles	% of equipment meeting or exceeding useful life	20%	22%	22%
Equipment	All assets > \$50,000	% equipment with condition rating below 3.0 on FTA TERM scale	n/a	0%	0%
Rolling Stock	Revenue vehicles	% of vehicles in particular asset class meeting or exceeding useful life	20%	20%	20%
Facilities	All facilities	% facilities with condition rating below 3.0 on FTA TERM scale	20%	0%	0%

5.3 Transit Asset Management Performance Measures & Targets for State of Good Repair

Requested Action:

**Recommend approval of the proposed
2021 Performance Measures and Targets for Transit Asset
Management and State of Good Repair to the Executive Board.**

5.4 FY2020-2029 Transportation Improvement Program Amendment #2

CAMPO has received notification from NCDOT of changes to regional projects that require amending the Transportation Improvement Program. This amendment will also include changes from the updated Wake Transit Work Plan.

The FY2020-2029 TIP Amendment #2 will be posted for public comment from August 14 to **September 25, 2020*** and a public hearing is scheduled for the September 16 Executive Board meeting. Adoption will be considered at the October 21 Executive Board Meeting.

**Later additions of Bonus Allocation and Wake Transit BRT projects have extended the original 30-day public comment period.*

5.4 FY2020-2029 Transportation Improvement Program Amendment #2

Requested Action:

**Recommend approval of Amendment #2 to the
FY2020-2029 Transportation Improvement Program
to the Executive Board.**

5.5 CAMPO Projects and Programs Funding Update

SPOT Projects Update

- Updated 36 Month Let List
- Updated Reprogramming of SPOT projects in TIP/STIP

LAPP Projects Update

- Financial Update
- Prior year projects Deadline Discussion and Recommendation

SPOT Projects

36 Month Let List

NCDOT has released their list of SPOT projects to be let (bid opening) in the next 36 months

CAMPO has organized these based on the first, second, and third 12 months

List and dates are subject to change based on available funding and cash flows

CAMPO Changes to First 12 Months Let-List

B-5318: replace bridge 910126 over Smiths Creek SR 2044 (Ligon Mill Road) in Wake Forest - **added**, not previously on list

B-5326: Replace bridge 247 over White Oak Creek in Garner - **added**, not previously on list

P-5737: Construct grade separation and close crossing at CSX S line at SR 2108 (Millbrook Road) in Raleigh - **removed**, previously 6/15/2021 now 6/16/2023

U-5302: Convert US 401 from south of Old Stage Road to south of Mechanical Blvd. in Garner to superstreet - **removed**, previously 11/17/2020 now 11/16/2021

36 Month Let List

Funding Breakdown

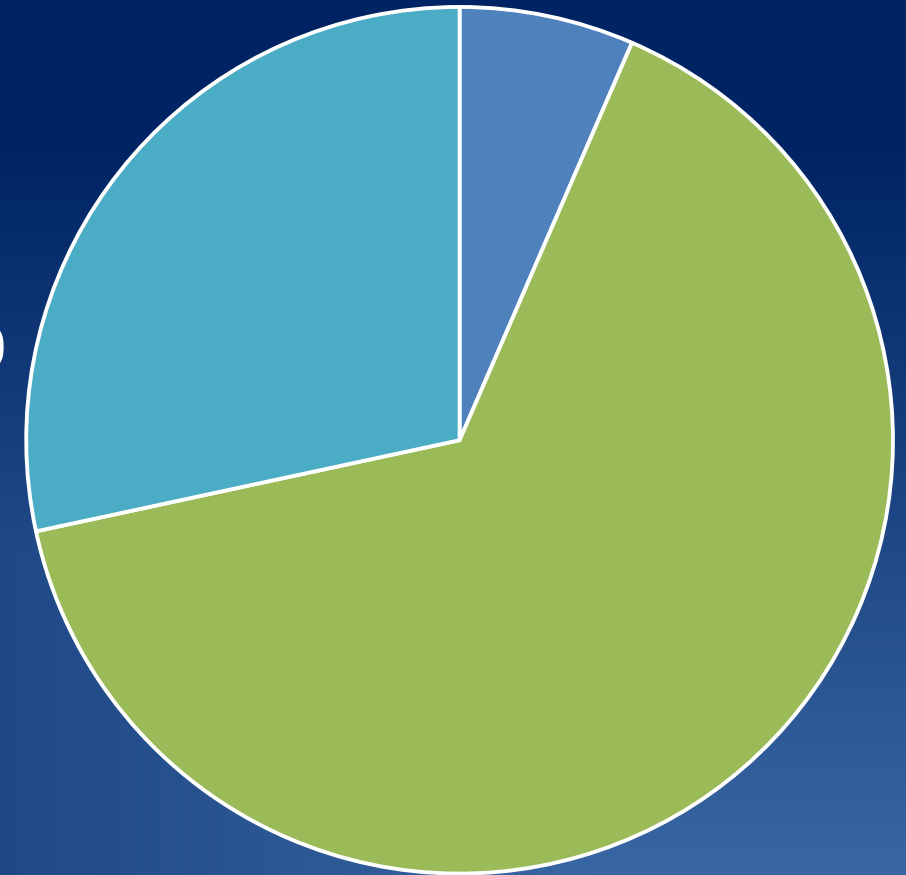
First 12 Months (7 projects): \$43,228,571

Second 12 Months (21 Projects): \$432,180,000

Third 12 Months (16 Projects): \$188,318,000

Total: \$923,098,000

SPOT Project Funding

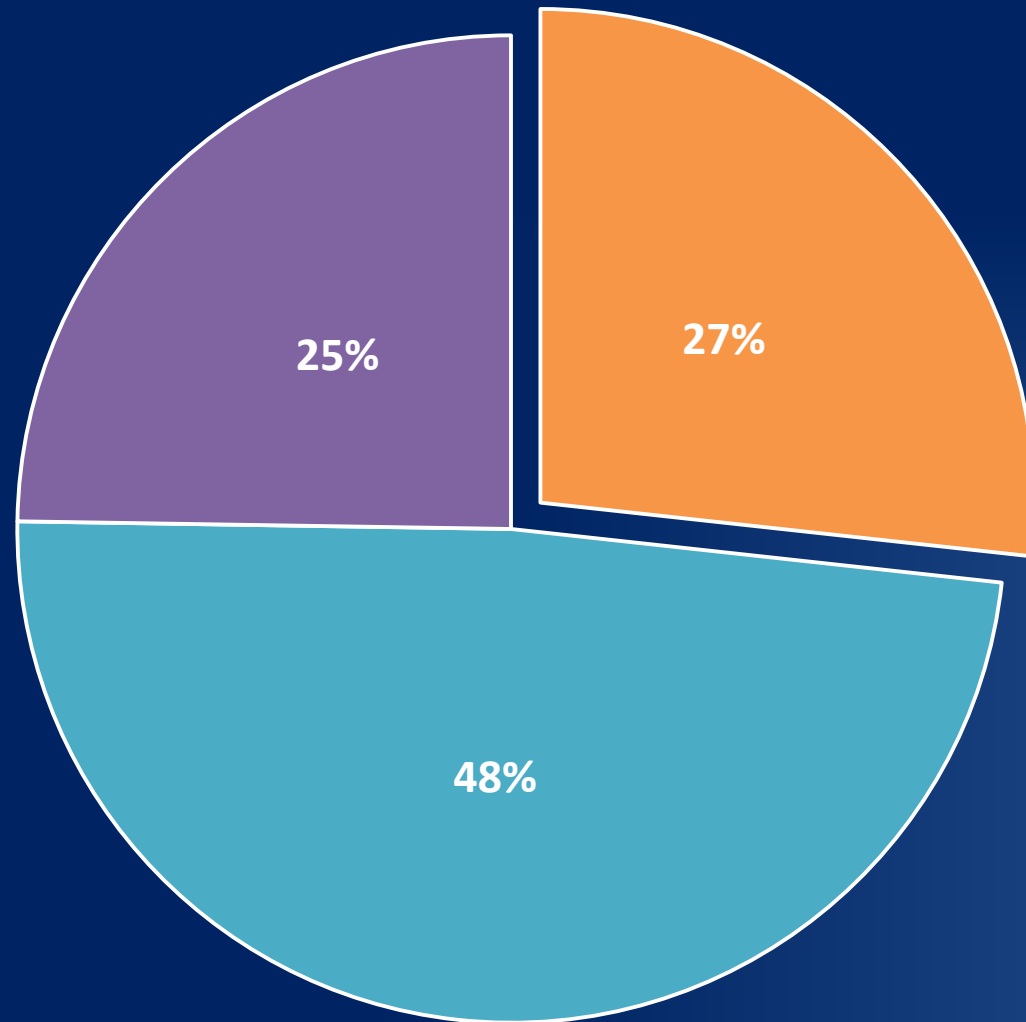


□ 1st 12 Months ■ 2nd 12 Months □ 3rd 12 Months

Updated Reprogramming of SPOT Projects in TIP/STIP

- NCDOT Released reprogramming of FY2020-2029 STIP to show funding of FY2020-2032
- 77 Projects with Schedule Impacts
 - Mostly Delays (74 Projects)

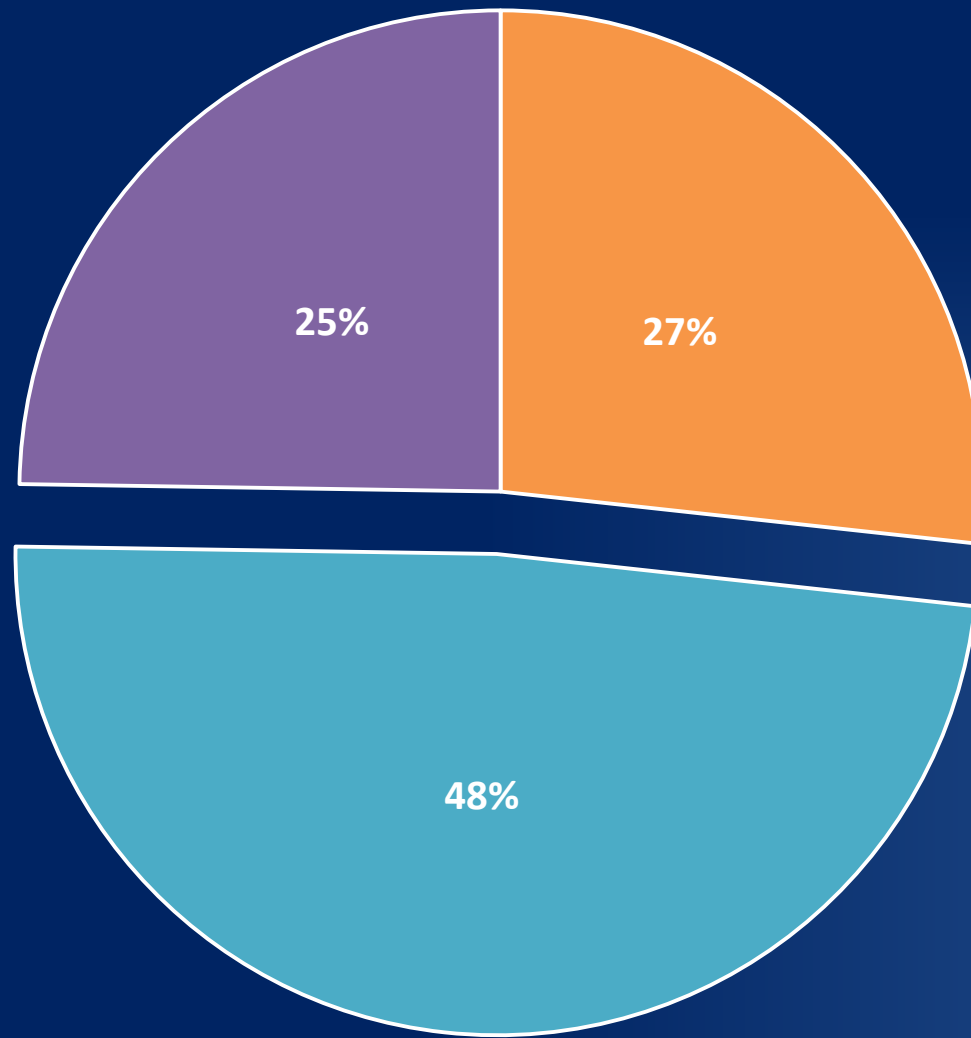
Accelerated or No-Delay Projects



Accelerated or No Delays 1-3 Year Delay 4+ Year Delay

- 1 Acceleration
- 26 No Change
- Does not count projects already under construction
- Major Project:
 - Future 540 Construction from I-40 to US 64 Accelerated from 2029 to 2026

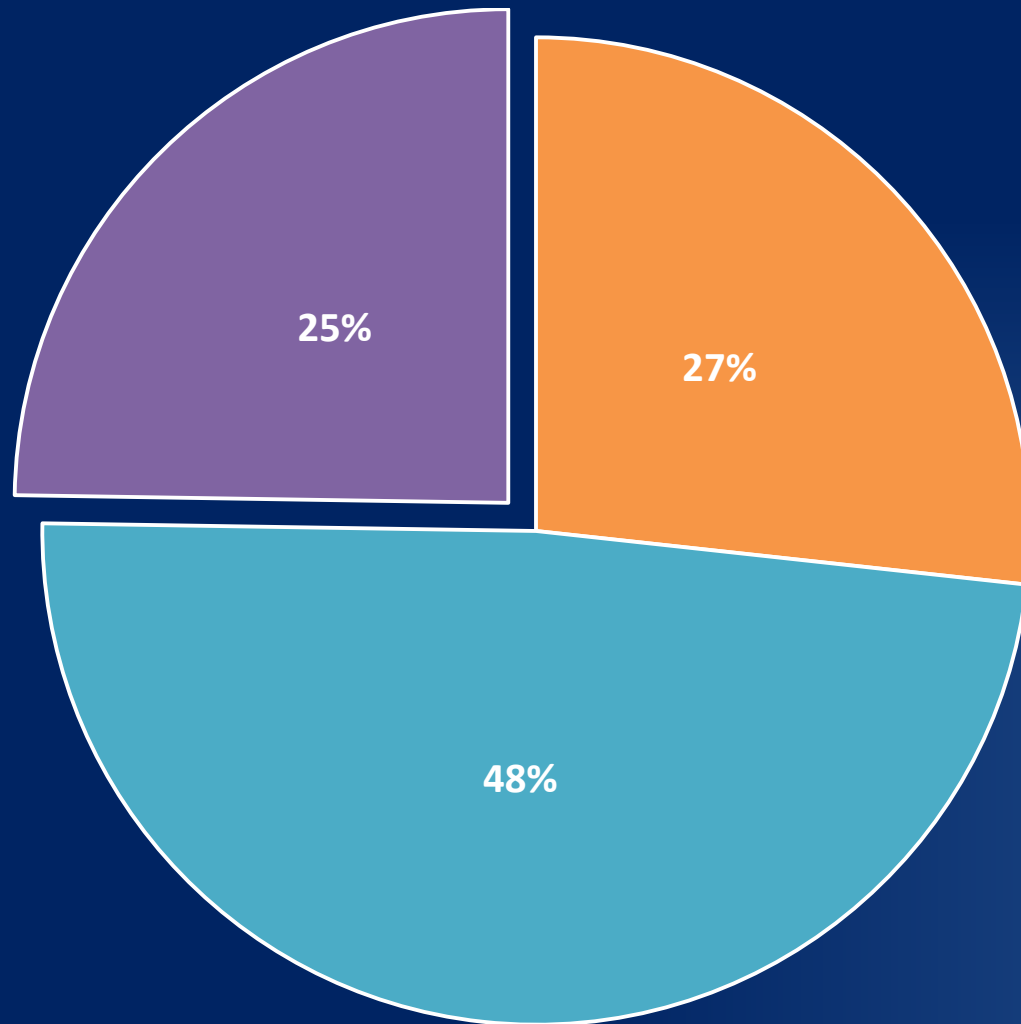
1-3 Year Delay Projects



■ Accelerated or No Delays ■ 1-3 Year Delay ■ 4+ Year Delay

- 49 Delays
- Major Projects:
 - I-40/US 1/US 64/I-440 Interchange delayed from 2024 to 2026
 - Rogers Rd Grade Separation delayed from 2021 to 2022
 - US 401 Superstreet from Old Stage Rd to Mechanical Blvd delayed from 2020 to 2023

4+ Year Delay Projects



Accelerated or No Delays 1-3 Year Delay 4+ Year Delay

- 25 Projects
- Major Projects:
 - US 64 Improvements from Laura Duncan to US 1 delayed from 2025 to 2029
 - I-40 Managed Freeways from NC 54 to Wade Ave delayed from 2025 to 2029
 - NC 50 (Creedmoor Rd) widening from I-540 to NC 98 delayed from 2025 to After 2032

LAPP Projects

Financial Situation

- NCDOT above cash floor
 - Some funding starting to move for LAPP projects
- Expected to hear about August Redistribution soon
 - \$192M Requested by NCDOT, hoping to receive ~\$140M
 - If State receives near the ~\$140M, first \$75M will go to advanced construction projects, remaining funding will go to STBGDA and CMAQ projects
- Future Transportation Funding Authorizations Still Unknown

FFY2019 and Prior Year Projects Deadline

- CAMPO Executive Board adopted rule in August 2019 stating:

All FFY2019 and prior year projects have until the end of FFY2020 to receive funding authorization or the project funding will be reprogrammed

- All LAPP projects paused in May of 2020
- FFY2020 ends September 30, 2020
- Many prior year projects will miss this deadline due to required pause

Recommended Options for CAMPO Executive Board

1. Allow a grace period for equal number of months project was paused
Ex: Project A was paused in May 2020 and resumed in Nov. 2020;
Project A would have 6 month extension to receive funding authorization
2. Set deadline for end of FFY2021 for projects to receive funding authorization

*CAMPO Staff recommends Option 2 since some projects may require additional time to make up for expired NEPA docs, appraisals, and general time to “remobilize”

5.5 CAMPO Projects and Programs Funding Update

Requested Action:

**Consider recommendation to the Executive Board: September 30, 2020 deadline
for FFY2019 and prior year LAPP projects**

Slate Vote

Roll Call of Voting Members & Alternates

City of Creedmoor

City of Raleigh (5)

County of Franklin

County of Granville

County of Harnett

County of Johnston

County of Wake (2)

GoCary

GoRaleigh

GoTriangle

Town of Angier

Town of Apex

Town of Archer Lodge

Town of Bunn

Town of Cary (2)

Town of Clayton

Town of Franklinton

Town of Fuquay-Varina

Town of Garner

Town of Holly Springs

Town of Knightdale

Town of Morrisville

Town of Rolesville

Town of Wake Forest

Town of Wendell

Town of Youngsville

Town of Zebulon

N.C. Dept. of Transportation (6)

N.C. State University

Raleigh Durham Airport Auth.

Research Triangle Foundation

Rural Transit (GoWake Access)

Triangle J. Council of Govts.

Triangle North Executive Airport

5.6 SPOT 6 Project Modifications

5.6 SPOT 6 Project Modifications

NC 55 Bypass

H150418-C Widening from Holly Springs Rd to Technology Dr

H193265 Upgrade to Expressway from S Main to Technology Dr

NC 56

H140487-A Widening from Lyon Station Rd to S Campus Dr

H192836 Interchange Improvements at I-85/ NC 56

NC 55 / Broad Street Roundabout – H184385 (Submitted by Division 6)

H192812 NC 50 / Rand Road Intersection Improvements

5.6 SPOT 6 Project Modifications

Requested Action:
Receive as information.

5.7 Employment Analyst Update

- 2020 employment data is currently being collected for the purpose of informing the Triangle Regional Model of commuter origin and destination travel patterns for Spring 2020 (pre COVID 19 travel patterns).
- The Employment Analyst tool used to collect the data is an ArcGIS Online tool that allows staff members for all jurisdictions to review the current 2020 employment dataset as received by the ITRE model team and published by TJCOG.

5.7 Employment Analyst Update





- Staff for CAMPO and DCHC member jurisdictions received training on updating the location of employers, validating the number of employees and adding additional employers when applicable using the Employment Analyst Tool. Training sessions were held on July 8 and July 16.
- A considerable amount of progress by a few municipalities has been made towards updating the employment data, the **deadline for completing updates is September 18th, 2020.**

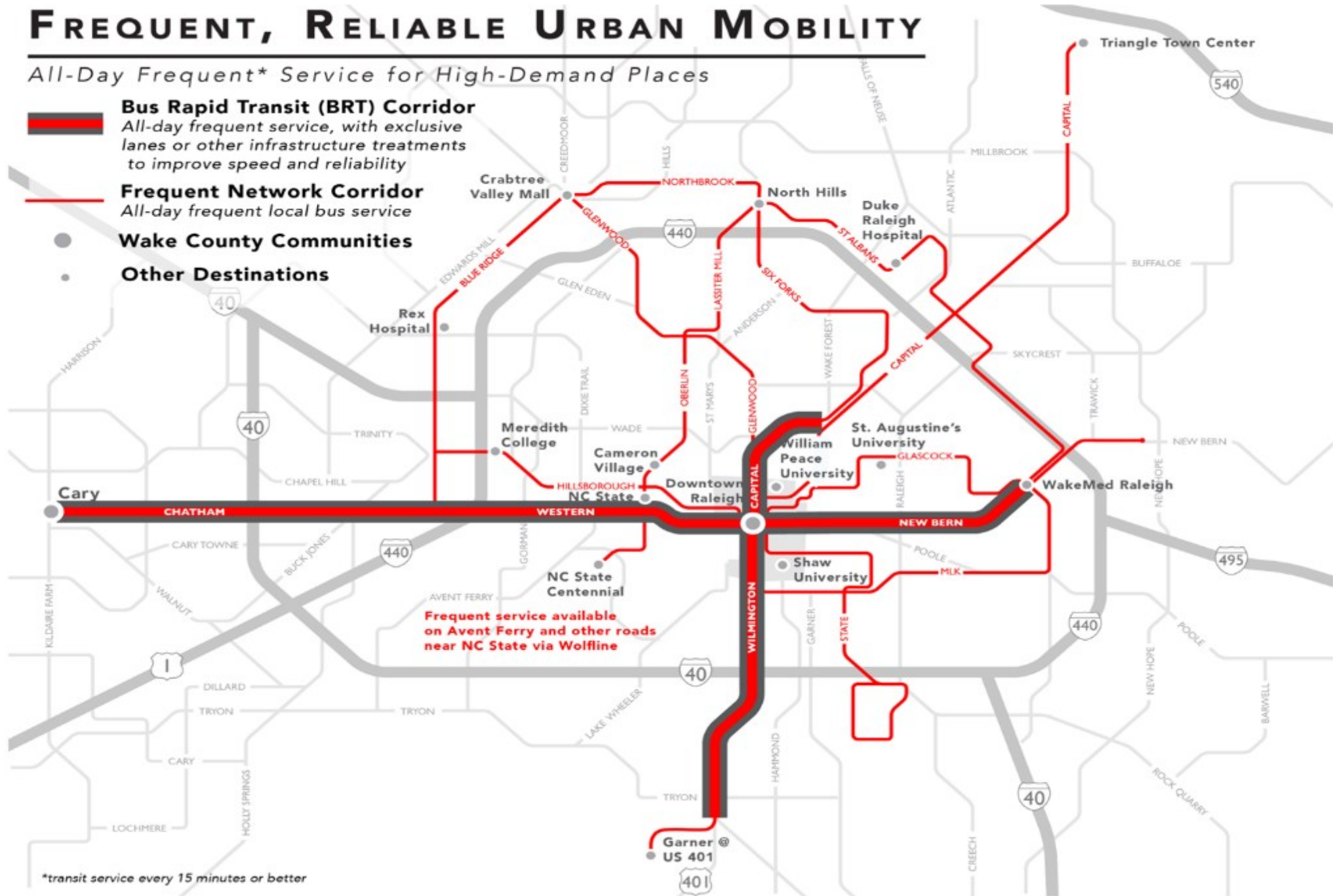
Requested Action:
Receive as information.

5.8 Locally Preferred Alternative for Wake Bus Rapid Transit: Western Corridor

FREQUENT, RELIABLE URBAN MOBILITY

All-Day Frequent* Service for High-Demand Places

-  **Bus Rapid Transit (BRT) Corridor**
All-day frequent service, with exclusive lanes or other infrastructure treatments to improve speed and reliability
-  **Frequent Network Corridor**
All-day frequent local bus service
-  **Wake County Communities**
-  **Other Destinations**



*transit service every 15 minutes or better

2045 Metropolitan Transportation Plan Adopted Transit Corridors



INSET NOT TO SCALE

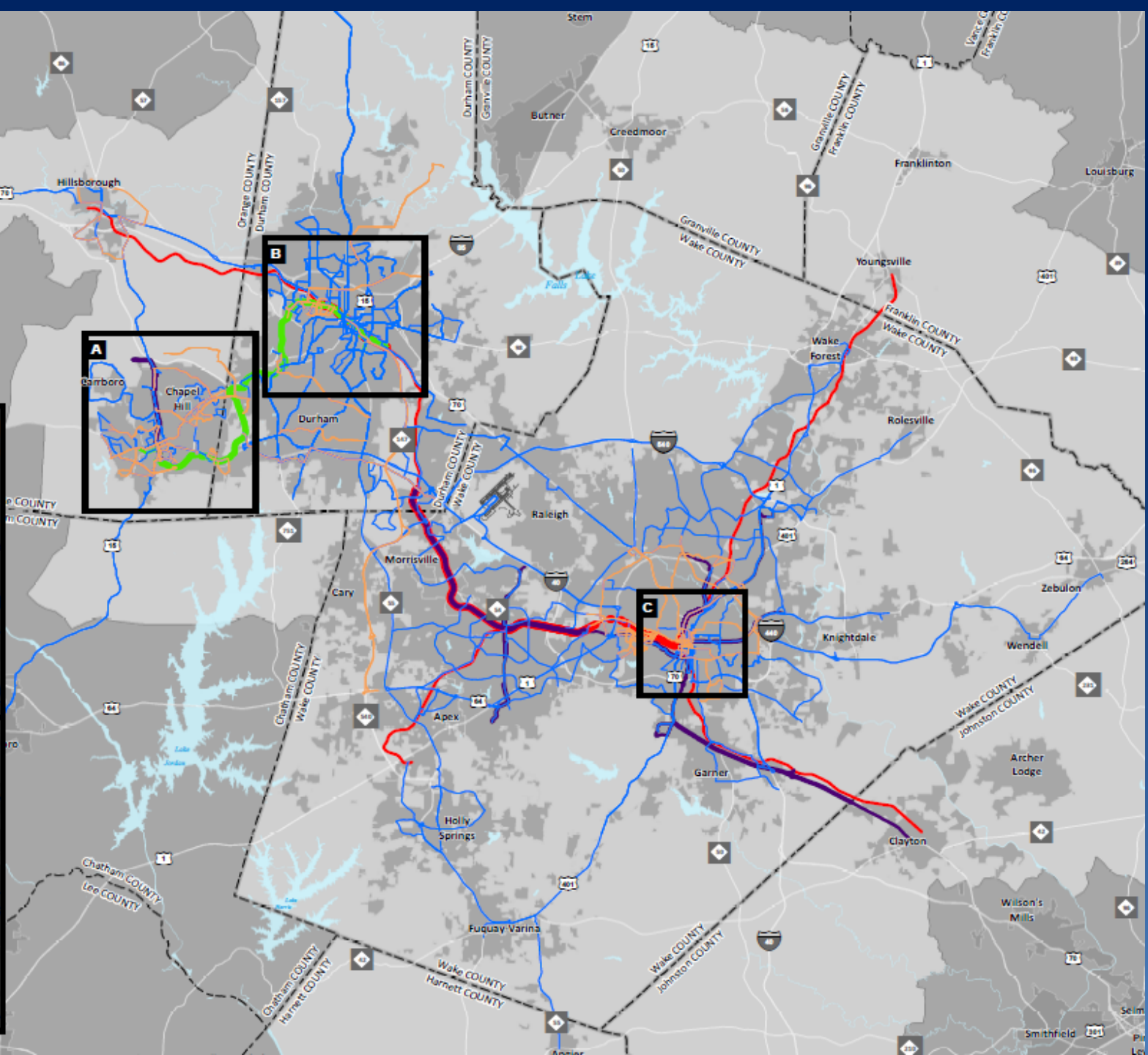
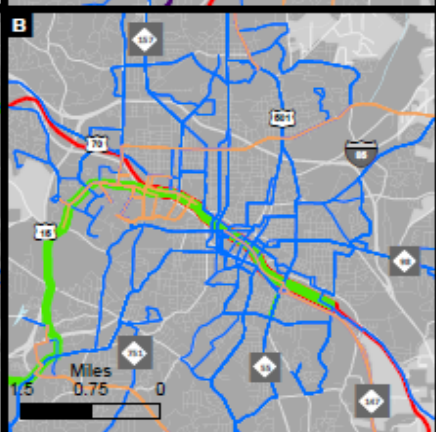
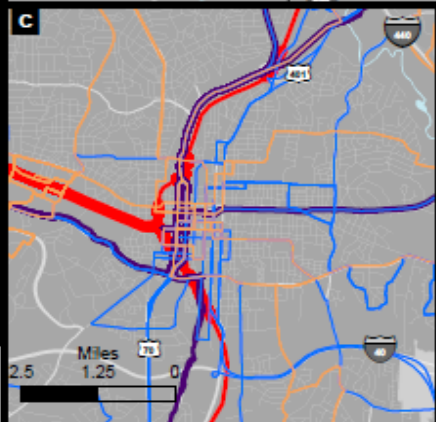
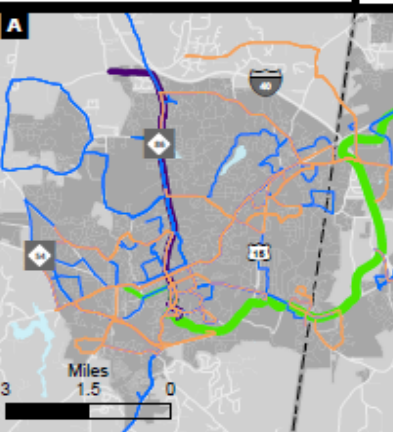
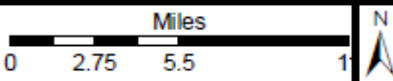
0 1 2 Miles

0 1 2 Miles

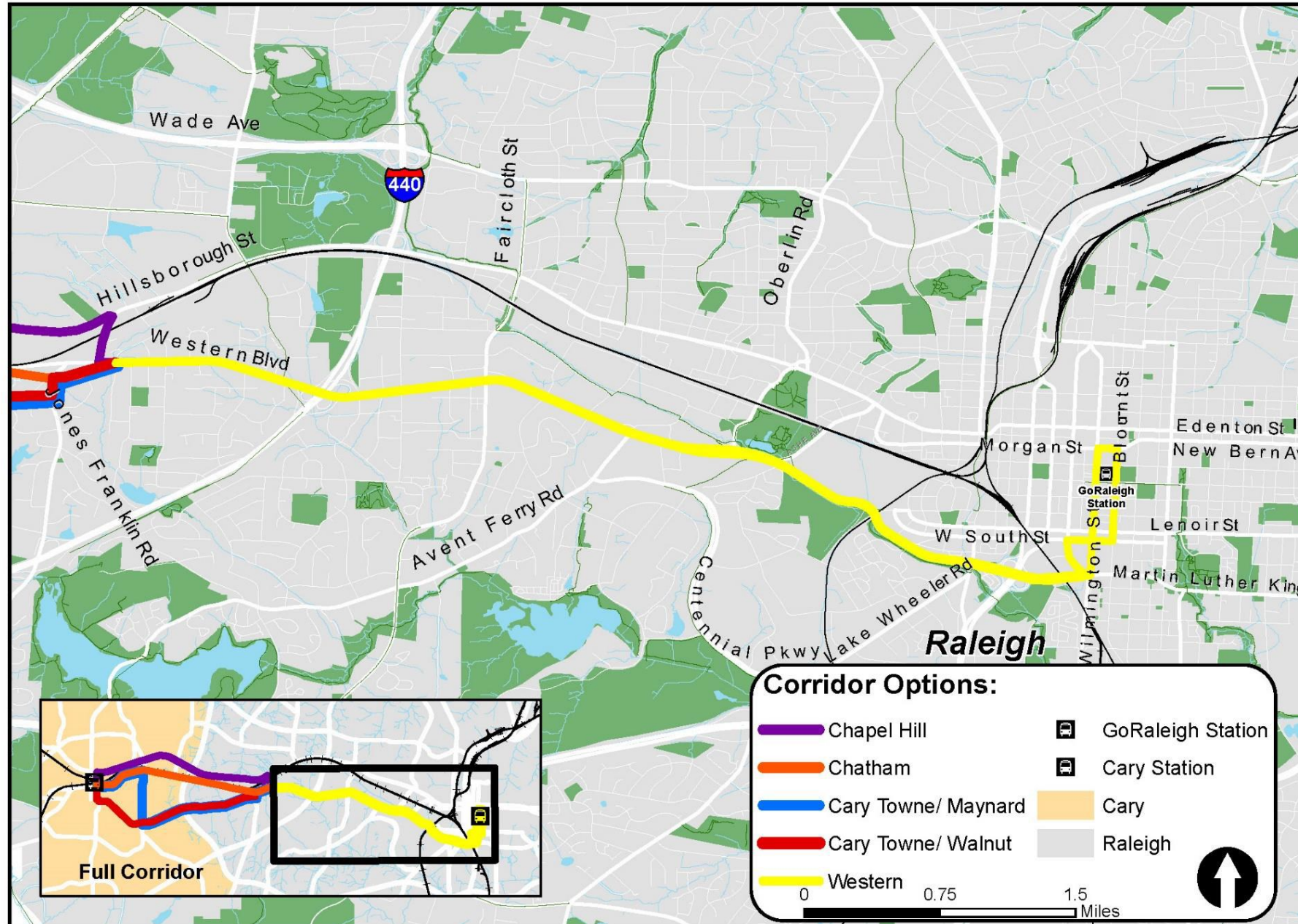
Transit Projects

Mode

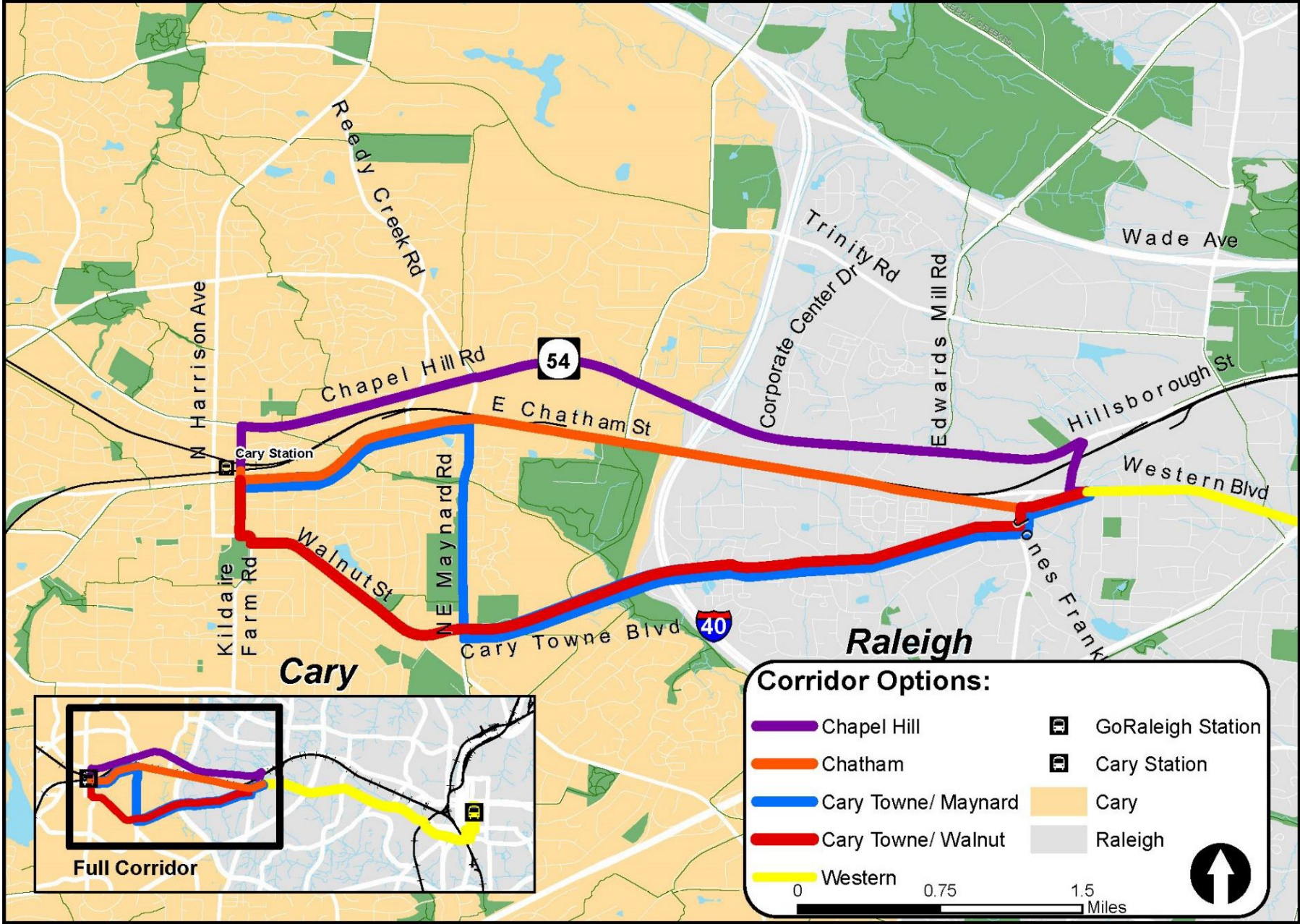
- Commuter Rail Transit
- Light Rail Transit
- Bus Rapid Transit
- Bus, < 15 Minute Headway
- Bus, > 15 Minute Headway



Wake BRT: Western Corridor



Wake BRT: Western Corridor



Federal Process – Small Starts Program

MIS PROCESS

1. Evaluate BRT corridor options
2. Define project sponsor
3. Ridership estimates
4. High level cost estimates

SMALL STARTS

Total cost: <\$300 million

Funding: <\$100 million

STEP 1: FTA APPROVAL

Project Development

- Review alternatives
- Environmental review
- Funding commitment
- Complete engineering

STEP 2: FTA EVALUATION, RATING, AND APPROVAL

Full Funding Grant Agreement

- Construction

Locally Preferred Alternative Considerations

- **Mode**

- For what mode of transportation is the infrastructure being built?
- Bus Rapid Transit vs. Express Bus, Light Rail, Street Car, etc.

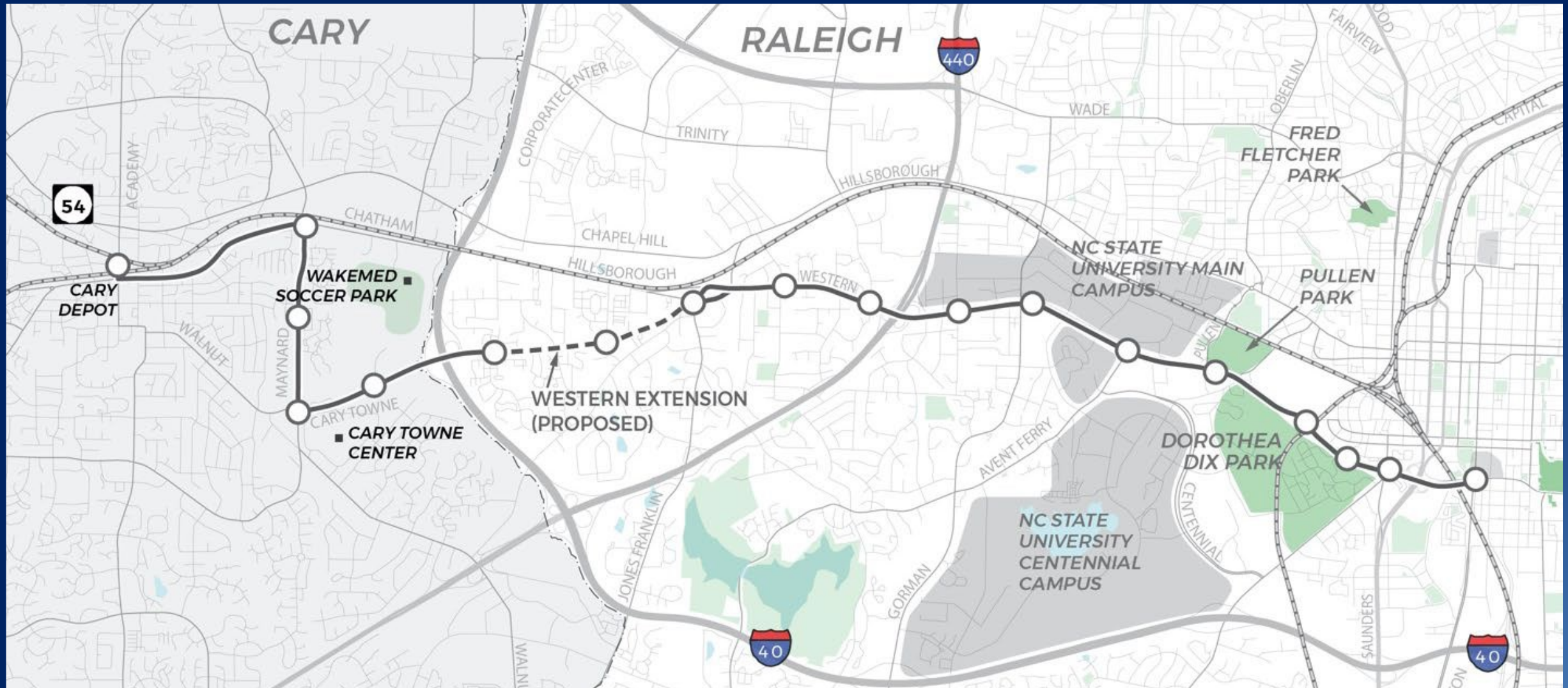
- **Alignment**

- What is the physical location/configuration of the facility that will support the selected mode?
- Wilmington, Salisbury, Blount, South and Morgan Streets in Downtown Raleigh
- Western Blvd from Downtown Raleigh to Jones Franklin Rd
- Western Blvd on New Location, Cary Towne Blvd, Maynard Rd, E Chatham St from Jones Franklin Rd to Downtown Cary

- **Termini**

- What are the end points of the infrastructure supporting the selected mode on the selected facility?
- East: GoRaleigh Station in Downtown Raleigh
- West: Downtown Cary Multimodal Transit Facility

Wake BRT: Western Corridor Proposed LPA



Support for Locally Preferred Alternative

- **Purpose and Need for Project**
 - Improve transit service
 - Accommodate projected growth
 - Bypass major congestion points
 - Improve attractiveness of service to result in ridership growth
- **Analysis of Potential Alternatives**
 - Alignment: Most suitable alternative that serves the identified travel market that satisfies project purpose and need
 - Mode: Most cost-effective and least intrusive mode that can satisfies purpose and need
 - Termini: Provides direct access to major origins and destinations that shape the travel market
- Still Need Concurrence from Cooperating Agencies – NCDOT, CAMPO, SHPO, Town of Cary, NCDEQ, USACE, NC State University

Locally Preferred Alternative Consideration Schedule

ACTION	DATE
Town of Cary Endorsed LPA	July 23 rd
City of Raleigh Recommended LPA	August 18 th
LPA to TCC as Information	September 3 rd
LPA to Executive Board as Information	September 16 th
30-Day CAMPO Public Comment Period Begins	By October 19 th
Executive Board Public Hearing for LPA	October 21 st
Concurrence Meeting for CPs Through LPA	By October 30 th
TCC Recommendation on LPA	November 5 th
Executive Board Action on LPA	November 18 th

5.8 Locally Preferred Alternative for Wake Bus Rapid Transit: Western Corridor

Requested Action:
Receive as information.

5.9 DRAFT 2050 MTP Socio-Economic Guide Totals

- The 2050 Metropolitan Transportation Plan (MTP) will be a joint plan by the Capital Area MPO and the DCHC MPO as has been the case for the last three plan updates.
- TJCOG has been responsible for coordinating the many activities and tasks of the two MPOs, particularly with development of socioeconomic data (SE Data)
- Support documents are included as attachments.

Requested Action:
Receive as information.

8. Informational Items: Budget

8.1 Operating Budget – FY 2020

8.2 Member Shares – FY 2020

Requested Action:
Receive as information.

9.1 Informational Item: Project Updates

- (SRTS) John Rex Endowment Grant
- R.E.D. Priority Bus Lanes Study
- Fayetteville/Raleigh Passenger Rail Study
- Triangle TDM Program
- Triangle Bikeway Implementation Study
- Non-Motorized Volume Data Program
- Mobility Coordination Committee
- NCDOT Highway Project U-2719
- Wake Transit Vision Plan Update
- Wake Transit Performance Tracker
- Northeast Area Study Update
- Bus On Shoulder Study

Requested Action:
Receive as information.

9.2 Informational Item: Public Engagement Updates

Requested Action:
Receive as information.

10. Informational Item: Staff Reports

- MPO Executive Director
- NCDOT Transportation Planning Division
- NCDOT Division 4
- NCDOT Division 5
- NCDOT Division 6
- NCDOT Rail Division
- NC Turnpike Authority
- NCDOT Bicycle & Pedestrian Planning Division
- TCC Members

Requested Action:
Receive as information.

ADJOURN

Upcoming Events

Date	Event
September 16, 2020 4:00 p.m.	Executive Board Online Only
October 1, 2020 10:00 a.m.	Technical Coordinating Committee Online Only or One City Plaza – TBD
October 21, 2020 4:00 p.m.	Executive Board Online Only or One City Plaza - TBD
November 5-6, 2020	BikeWalkNC Summit Online Register at https://www.bikewalknc.org/nc-bikewalk-summit/
December 1, 2020 January 5, 2021	Please HOLD DATES FOR: Joint DCHC/CAMPO Boards Meeting

