



# **Planning & Zoning Board Meeting**

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DRAFT Comprehensive Transportation Plan  
Update, February 23, 2018 version

May 10, 2018

# Overview

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- Overview of Agency Comments
- Overview of proposed modifications to the Draft Comprehensive Transportation Plan Update, February 23, 2018 version
- Planning and Zoning Board Schedule
- Public Input Opportunities
- Public Comment Session
- Planning and Zoning Board Discussion



# **Overview of Agency Comments**

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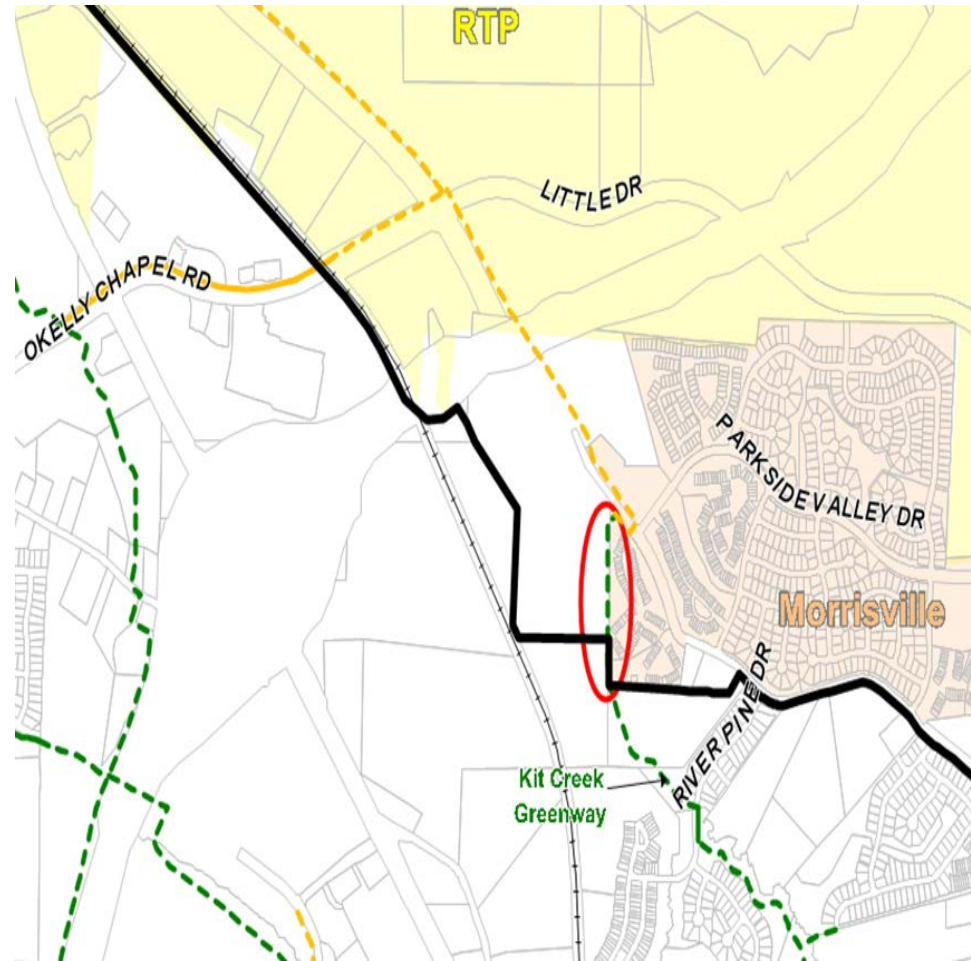
Town of Cary, City of Durham, RTP, NCDOT

# **Town of Cary**

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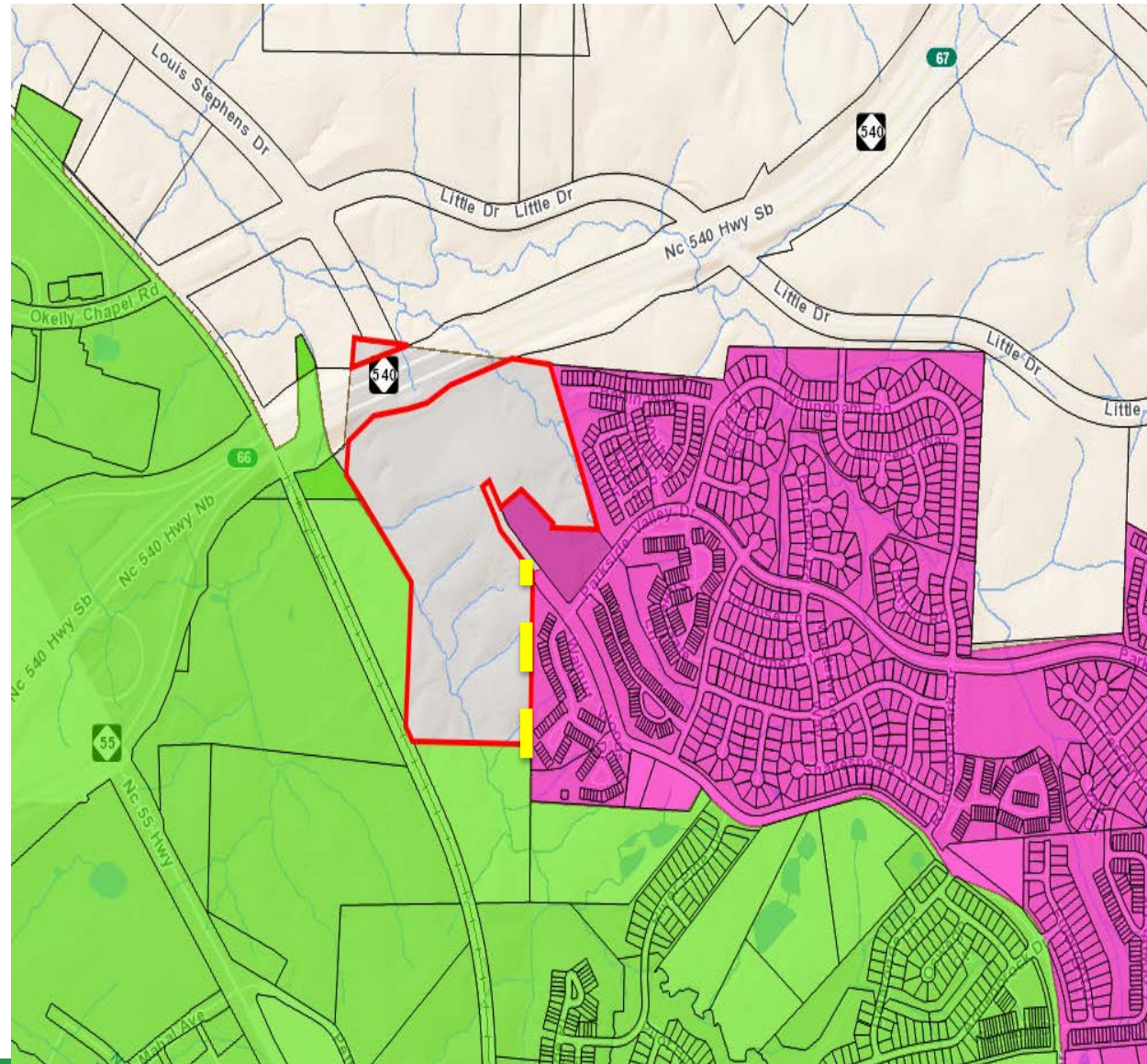
# Town of Cary Staff Comments

- Add the circled section of Cary's Kit Creek Greenway into Draft Comprehensive Transportation Plan Update
  - Identified as one of five cross-town routes in Cary (Planned to extend from Morrisville Parkway to Kit Creek Road)
  - The greenway will provide connections to:
    - RTP
    - Parkside Town Commons shopping center
    - Northwest Park
    - Carpenter Elementary School
  - Approximately 0.4 miles of greenway constructed north of Morrisville Parkway
  - Existing greenway easement through the development around River Pine Drive



# Morrisville Staff Response

- Wake County considering Town request to add parcel outlined in red to Morrisville's ETJ
- Section of Kit Creek greenway in Morrisville ETJ will be added into Draft CTP Update



# **City of Durham**

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# City of Durham Staff Comments

- Roadway Recommendations
  - Davis Drive Widening
    - The Durham Chapel Hill Carrboro MPO (DCHC MPO) does not have any improvements on Davis Drive in either the Comprehensive Transportation Plan (CTP) or draft 2045 Metropolitan Transportation Plan (MTP).
    - The traffic volumes for Davis Drive generated by the Triangle Regional Model (TRM) are within the capacity of the roadway cross-section
  - NC 54 Widening
    - The DCHC MPO's CTP and draft 2045 MTP also do not have any roadway improvements for NC 54. The DCHC MPO's plans appear to conflict with the map on page 3-8 of the Morrisville CTP.
- Bicycle & Pedestrian Recommendations
  - DCHC MPO's CTP includes the following recommendations:
    - Bicycle lanes on Davis Drive
    - A multiuse path adjacent to NC 147 and NC 54





# Morrisville Staff Response

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- Roadway Recommendations
  - Difference due to Base Year Travel Demand Model used:
    - Draft CTP Update prepared using the 2010 Base Year Triangle Regional Model (TRM)
    - DCHC MPO's CTP and Draft 2045 MTP prepared using updated 2015 Base Year TRM
- Bicycle & Pedestrian Recommendations
  - Draft Plan includes Sidepaths on Davis Drive
    - Consistent with recommendations in Cary's Community Plan
  - Draft Plan recommends alternative NC 147 alignment to Davis Drive in RTP
  - 10-foot wide sidepath provided on the east side of NC 54



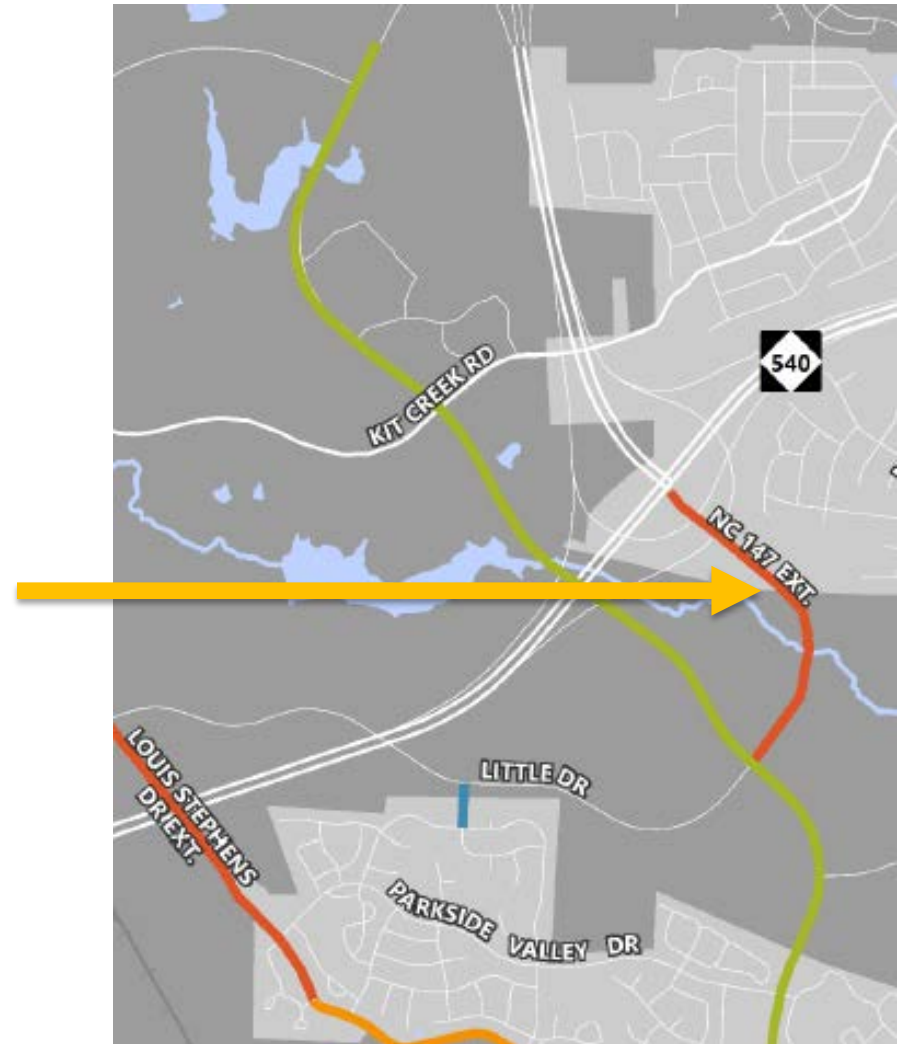
# **Research Triangle Park**

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Comments Provided by Research Triangle Foundation (RTF) Staff

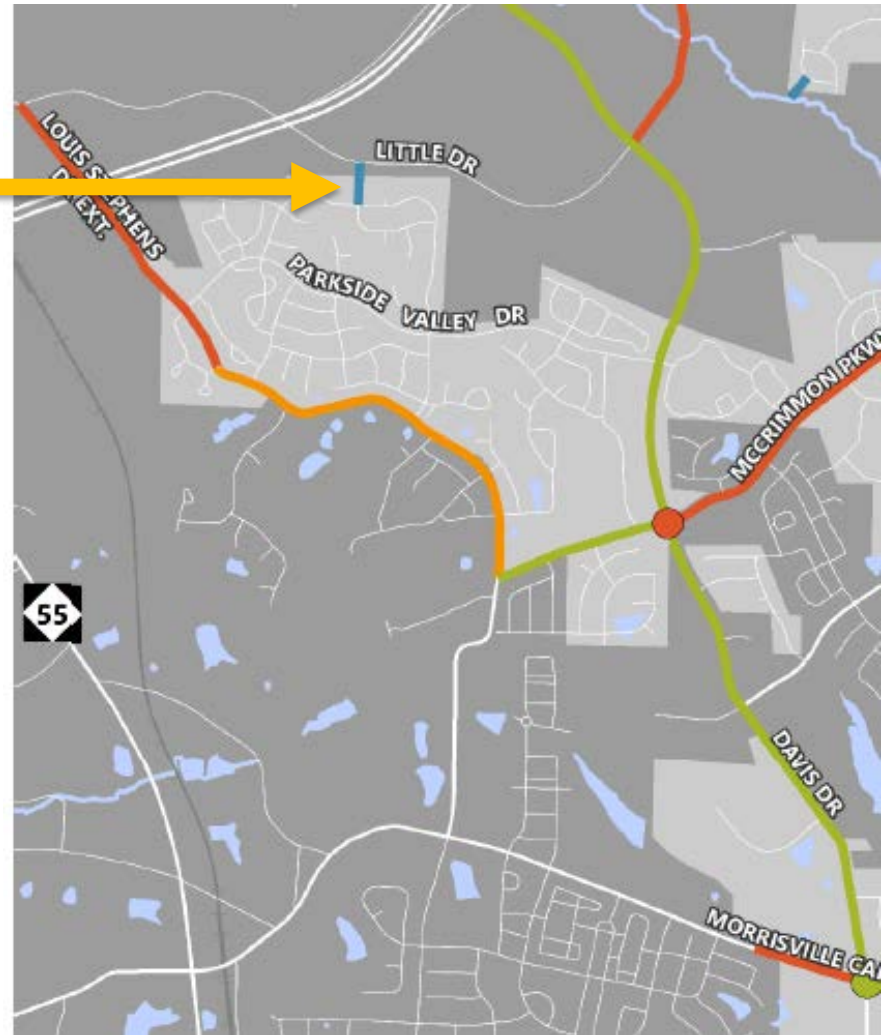
# RTP Staff Comments

- NC 147 Extension
  - Staff is in agreement with the general concept of extending 147 to Davis Drive near Little Drive
  - The alignment as shown on the Draft CTP Update goes through RTP Site S-33A
  - The alignment is conceptual and the final alignment would depend on site and field conditions
  - Final alignment subject to approval by RTF and NCDOT



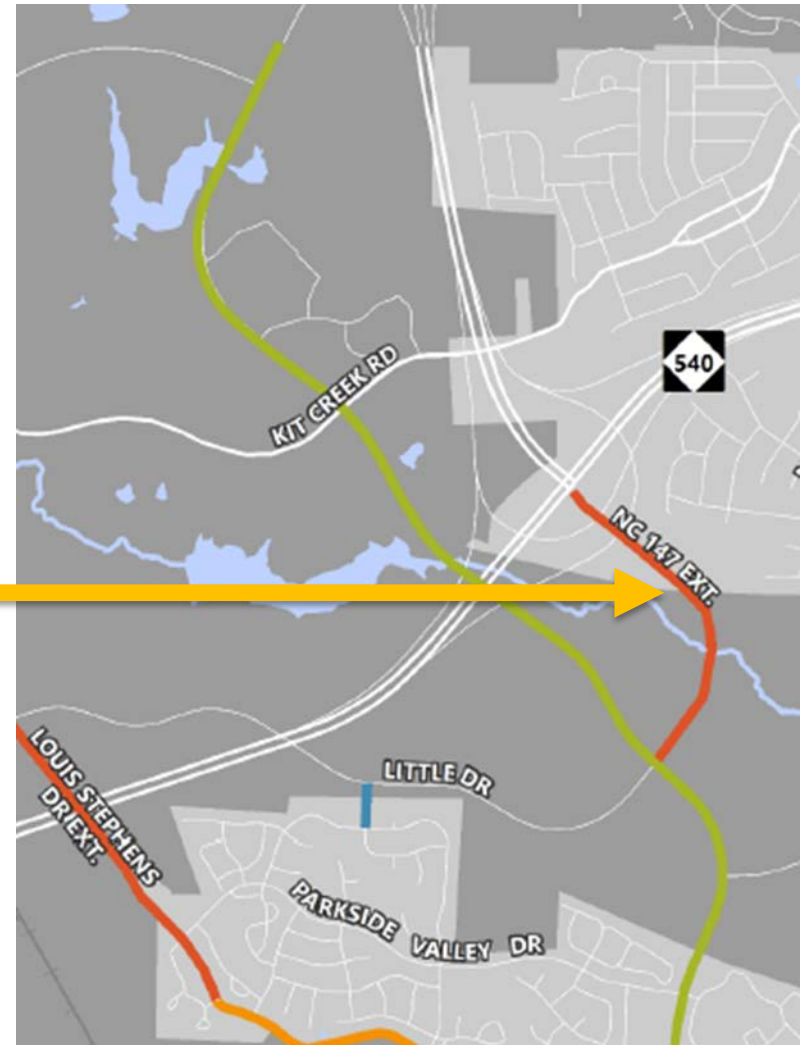
# RTP Staff Comments

- Millicent Way Extension to Little Drive
  - Staff is in general agreement with this connection
    - Whether Roadway or Greenway
  - Connection to Little Drive will require NCDOT and RTF approval prior to construction



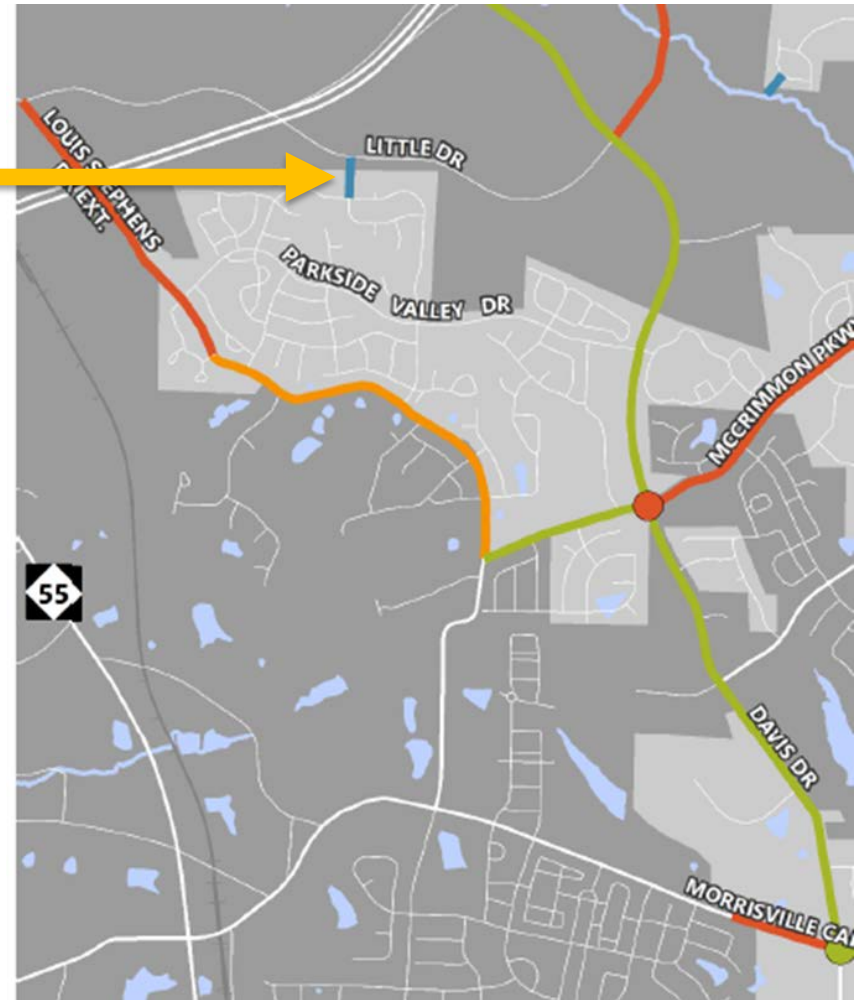
# Morrisville Staff Response

- NC 147 Extension Alignment
  - Town staff requested RTP input on alignment of NC 147 through RTP land to Davis Drive
  - Staff also requested RTP input on an extension of Town Hall Drive north of McCrimmon Parkway to provide secondary access to neighborhoods along the west side of Church Street between McCrimmon Parkway and NC 540



# Morrisville Staff Response

- Millicent Way Extension
  - Town staff requested input from RTP on the potential extension of Millicent Way to Little Drive
  - PZB designated Millicent Way for further study in Draft Plan
    - Road, Greenway, or no connection
  - RTP owns land between the end of Millicent Way and Little Drive
    - Will be part of Study



**NCDOT**

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# NCDOT Staff Comments

- Committed Projects
  - I-40 Widening: clarify whether auxiliary lanes between I-540 and Harrison or managed lanes
  - Include Airport Boulevard Interchange Project in Table 3-1
- Figure 3-1
  - Modeled Congestion Year?
- Roadway hierarchy
  - Appears to be some mixing of federal functional classification terminology, e.g. principal arterial, with NCDOT terminology, e.g. major or minor thoroughfare
  - Local Street classification = Town-maintained road?
- Street Cross-Sections
  - Cross-Section 3A implies Sharrows may be used on 45 MPH roadways
- Davis Drive
  - Table 3-3 shows Davis Drive being widened from the Wake County line to Morrisville Carpenter Road
  - Figure 3-1 shows that Davis Drive is above capacity south of Morrisville Carpenter Road
- NC 54
  - 4 Section of NC 54 Widening limits difficult to follow
- Morrisville-Carpenter Road
  - Clarify location of Grade Separation
  - Consideration of 2 westbound through lanes at Davis Drive
- Strategic Corridors
  - Town's Strategic Corridors are different than NCDOT's Strategic Transportation Corridors





# NCDOT Staff Comments

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- Recommended Roadway Extensions
  - Map of all recommended roadway extensions in Table 3-6 would be helpful
- Intersection Improvements
  - Map of recommended intersection improvement locations in Table 3-5 would be helpful
- Roadway Prioritization
  - Feed into CAMPO Metropolitan Transportation Plan horizon years?



# Morrisville Staff Response

- **Committed Projects**
  - Next version of Draft CTP will clarify I-40 Widening projects
  - Airport Boulevard Interchange will be added to Table 3-1
- **Figure 3-1**
  - Modeled Congestion Year is 2040
- **Roadway hierarchy**
  - Classifications are Morrisville-specific, using common terminology
  - Local Streets is a classification – does not denote maintenance
- **Street Cross-Sections**
  - Morrisville will follow MUTCD guidance on installation of Sharrows
- **Davis Drive**
  - Draft CTP Update recommendation for Davis Drive south of Morrisville-Carpenter Road matches recommended in Cary Community Plan
- **NC 54**
  - Sections match NC 54 & More Feasibility Study, STIP, CAMPO 2045 MTP
- **Morrisville-Carpenter Road**
  - Next version of Draft CTP Update will clarify location of grade separation
  - Two westbound through lanes will be considered as part of intersection improvement
- **Strategic Corridors**
  - Staff does not believe this will cause confusion



# Morrisville Staff Response

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- Recommended Roadway Extensions
  - Projects are shown on Figure 5-2 in Chapter 5
- Intersection Improvements
  - Projects are shown on Figure 5-2 in Chapter 5
- Roadway Prioritization
  - Local Prioritization
  - Does not directly feed into MTP horizon years
  - Similar timelines – can be matched where applicable



# **Recommended Modifications**

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Staff, Planning & Zoning Board, and Town Council recommended modifications to DRAFT Comprehensive Transportation Plan Update, February 23, 2018 version

# Recommended Modifications

## General

- Add hyperlinks to the Table of Contents (S)
- Add Table of Contents title (Page 3 of the PDF) and List of Figures title (Page 4 of the PDF) (S)
- Add Town Hall Drive Extension – impacts multiple chapters (S)
  - No connection to NC 147
  - Design consistent with direction provided by RTP at March 7<sup>th</sup> meeting
  - Town Hall Drive extension would provide secondary access to neighborhoods along Church Street between McCrimmon Parkway and NC 540 that currently only have access to one collector street (Church Street)
- Hyperlink the terms in the text of the document that are defined in Appendix A (PZB)
  - Specific terms cannot be linked to a definition in the glossary
  - A hyperlink to the Glossary can be added.

**S** = Staff Recommendation  
**PZB** = Planning & Zoning Board Recommendation

## Chapter 1

- No changes proposed

## Chapter 2

- Revise Figures 2-2 and 2-22 to show the Crabtree Hatcher Creek Greenway and the connections from the greenway to Crabtree Crossing Parkway and Morrisville-Carpenter Road as existing greenways (S)\*

\*Recommendation based on comments provide to staff at community outreach events



# Recommended Modifications

## Chapter 3

- Revise Figure 3-2 to include road names for all streets included in the hierarchy (S)
- Ensure project lengths in Table 3-3 match Project Sheets in Appendix C (S)
- Revise Figure 3-3 to reflect that the recommended alignment of NC 147 in the Draft CTP does not match the preferred NCDOT alignment for the project funded in the STIP (PZB)
- Clarify that the widening on I-40 consists of adding auxiliary lanes and managed lanes under Other Relevant Committed Roadway Projects on Page 3-2 (PC)
- Update Table 3-1 to include the I-5700 Airport Boulevard/I-40 Interchange Project (PC)
- Specify that the proposed Morrisville-Carpenter Road Grade Separation is located at the intersection of Morrisville-Carpenter Road, railroad tracks, NC 54 and Aviation Parkway in Table 3-5 (PC)

**S** = Staff

Recommendation  
**PZB** = Planning &  
Zoning Board

Recommendation

**PC** = Recommendation  
based on Public or  
Agency Comment



# Recommended Modifications

## Chapter 4

- Add multiuse paths recently installed at the Lake Crabtree Apartment development to Figure 4-6 (PC)
- Revise Figure 4-6 to show the Crabtree Hatcher Creek Greenway and the connections from the greenway to Crabtree Crossing Parkway and Morrisville-Carpenter Road as existing greenways (S)\*
- Extend greenway proposed on the east side of Church Street north to connect to the Church Street and Shiloh Community Parks in Figure 4-6 (TC)
- Add greenway connections from McCrimmon Parkway Extension (Phase II) to the greenway proposed along the eastern boundary of Morrisville in Figure 4-6 (TC)
- Add the section of Cary's Kit Creek Greenway connecting to Louis Stephens Road at Parkside Valley Drive in Figure 4-6 (PC)

**S** = Staff

Recommendation

**TC** = Town Council

Recommendation

**PC** = Recommendation

based on Public or

Agency Comment



# Recommended Modifications

## Chapter 5

- Revise Table and Figure numbers in Figures 5-2 and 5-3 and Table 5-8 and 5-8 to remove duplicates (S)
  - Rename Figure 5-2 to Figure 5-3 and Rename Figure 5-3 to Figure 5-4
- Update the Crabtree Crossing Parkway Extension label in Figure 5-3 and show the Crabtree Hatcher Creek Greenway connections to Crabtree Crossing Parkway and Morrisville-Carpenter Road as existing greenways (S)\*
- Label greenways and move location of sidepath on Airport Boulevard in Figure 5-3 (S)
- Add the following Action Items in Table 5-6
  - Develop an Intersection Safety Improvements Study Program for all intersections in Town (S/PZB)
  - Evaluate cross-section for Church Street to require 14' lanes with sharrows (S)\*

**S** = Staff  
Recommendation  
**PZB** = Planning &  
Zoning Board  
Recommendation





# Recommended Modifications

## Chapter 5

- Modify Prioritized Roadway Improvements Table 5-8 as follows (S/PZB)
  - Change to Short-Term
    - Davis Dr./McCrimmon Pkwy.
    - Airport Blvd. Grade Separation
    - Crabtree Crossing Pkwy./Morrisville Pkwy.
    - Slater Rd./Carrington Mill Blvd.
  - Change to Mid-Term
    - NC 54/Morrisville Pkwy.
    - NC 54/Cary Pkwy.
  - Change to Long-Term
    - Morrisville-Carpenter Rd. Grade Separation
  - Add to Short-Term
    - NC54 and Keybridge Drive Intersection\*
    - Davis Drive and Parkside Valley Drive Intersection\*
  - Place Table on one page

**S** = Staff  
Recommendation  
**PZB** = Planning &  
Zoning Board  
Recommendation



# Recommended Modifications

## Chapter 5

- Revise the prioritization of the Airport Boulevard Grade Separation (NC 54 to Church Street) to Short-Term in Table 5-6 (PZB)
- Revise the prioritization of the Airport Boulevard Extension (from west of Town Hall Drive to Church Street) to Mid-Term in Table 5-6 (PZB)
- Revise Figure 5-2 to reflect that the recommended alignment of NC 147 in the Draft CTP does not match the preferred NCDOT alignment for the project funded in the STIP (PZB)
- Add the section of Cary's Kit Creek Greenway connecting to Louis Stephens Road at Parkside Valley Drive to Table 5-8 and Figure 5-3 (PC)

**PZB** = Planning & Zoning Board Recommendation  
**PC** = Recommendation based on Public or Agency Comment



# Recommended Modifications

## Appendix B

S = Staff Recommendation

- Revise rights-of-way widths for cross-sections to accommodate all elements (S)

## Appendix C

- Add the following Project Sheets (S)
  - Marcom Drive Ext.
  - Morrisville East Connector
  - Southport Drive Ext.
- Ensure project lengths on Project Sheets match project lengths in Table 3-3 (S)



# **Recommended Schedule**

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Planning & Zoning Board

# Recommended Schedule

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- March 8, 2018
  - Staff presentation
  - Planning and Zoning Board Discussion & Questions
- April 12, 2018
  - Public Comment Session
  - Planning and Zoning Board Discussion & Questions
- ★ May 10, 2018
  - Public Comment Session
  - Planning and Zoning Board Discussion & Questions
- June 14, 2018
  - Planning and Zoning Board Recommendation



# **Public Input Opportunities**

# Opportunity #1

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Comprehensive Engagement Campaign

# Community Events

- March 22<sup>nd</sup>: Morrisville Transportation Fair  
(4:00-7:00pm)
- April 4<sup>th</sup>: Cedar Fork Community Center  
(5:30pm-7:00pm)
- April 7<sup>th</sup>: MFD Bike Safety Rodeo  
(Saturday 10:00am-12:00pm)
- April 11<sup>th</sup>: Kitts Creek  
(5:30-7:00pm)
- April 17<sup>th</sup>: Perimeter Park  
(12pm – 1:30pm)
- April 24<sup>th</sup>: Town Council Meeting  
(5:00-6:00pm)
- April 27<sup>th</sup>: Cedar Fork Community Center  
(10am – 12:30pm)





# Community Events

- May 3<sup>rd</sup>: Park West Village Concert Series (6:00pm – 8:00pm)
- May 7<sup>th</sup>: Morrisville Aquatics and Fitness Center (10:00am-12:30pm and 5:30pm-7:00pm)
- **May 12<sup>th</sup>**: Morrisville Community Park (Saturday 1:00pm – 2:30pm)
- **May 17<sup>th</sup>**: Breckenridge Clubhouse (5:30pm – 7:00pm)
- **May 19<sup>th</sup>**: SpringFest (Saturday 4:00-9:00pm)
- **May 24<sup>th</sup>**: Morrisville Chamber of Commerce Coffee & Connections (7:30am – 8:30am)
- **May 23<sup>rd</sup>**: Triangle Rock Club (1:00-3:00pm)



# Methods of Outreach

- Press Release
- Social Media
- Town Website
- Postcard Mailing
- Flyers
- Town Email Lists
- Emails to Homeowner Associations and other Stakeholders



**TRANSPORTATION PLAN**  
INFORMATION & INPUT

[WWW.TOWNOFMORRISVILLE.ORG/TRANSPORTATIONPLANUPDATE](http://WWW.TOWNOFMORRISVILLE.ORG/TRANSPORTATIONPLANUPDATE)



# Opportunity #2

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Public Comment Portal



Morrisville  
Live connected. Live well.

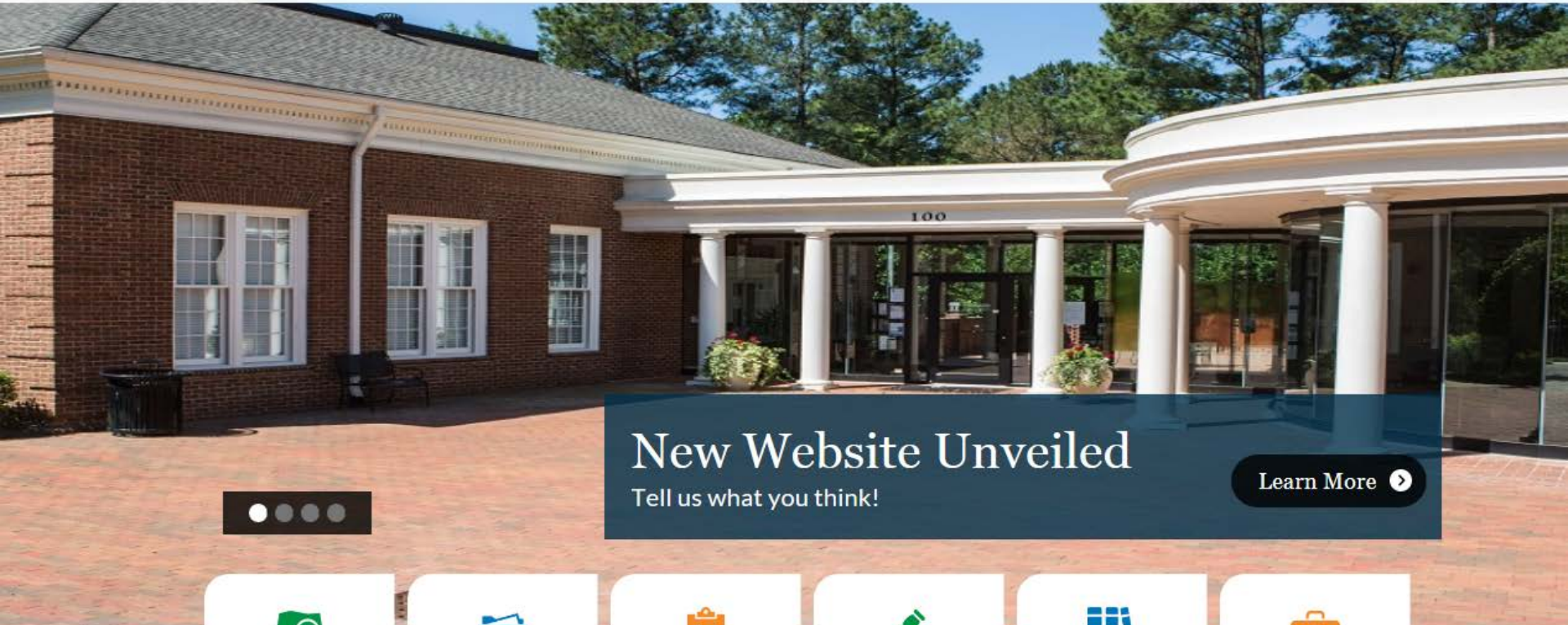
Residents

Government

Businesses

Recreation

I Want To...



# New Website Unveiled

Tell us what you think!

[Learn More](#)



Maps



Plans &  
Ordinances



Permits &  
Applications



Town Council  
& Live Video



Transportation  
Plan Update



Jobs

EVENTS

MEETINGS

NEWS

TWITTER

24

MAR

Easter Egg Hunt  
10:00 AM - 11:00 AM

Now taking registration for Teen Morrisville 101

# Public Comment Portal

- All comments provided to the Planning & Zoning Board and Town Council
- Submit comments online at:  
[www.townofmorrisville.org/transportationplanupdate](http://www.townofmorrisville.org/transportationplanupdate)

The screenshot shows a web browser window displaying the Morrisville website. The address bar shows the URL: <http://www.townofmorrisville.org/government/departments-services/planning/long-ra>. The page features the Morrisville logo with the tagline "Live connected. Live well." and a navigation menu with links for Residents, Government, Businesses, Recreation, and Contact Us. A search bar is located in the top right corner, showing a temperature of 78° and a search icon. The main content area is titled "COMPREHENSIVE TRANSPORTATION PLAN UPDATE" and includes an "Overview" section. The overview text states: "The Town has hired Kimley-Horn and Associates to help staff prepare a major update to the adopted 2009 Transportation Plan. The Transportation Plan includes elements focusing on roadways, bicycle and pedestrian facilities, as well as future transit routes and facilities. The proposed plan update will be comprehensive in nature, with data and analysis backing up the policy recommendations. The plan update will include revising the recommended cross-sections for state and local roads in the Transportation Plan as well as updating the implementation tasks. Of particular focus will be prioritizing needed roadway improvement projects and potential funding sources, updating proposed transit routes in coordination with the Wake County Transit Investment Strategy work, and updating bicycle, pedestrian and greenway recommendations. The Update process is expected to take approximately 1 year, with the final updated Plan going to Council for adoption in 2018." A large orange arrow points to a button labeled "Click above to submit comments, questions or concerns" which features a train icon. Below this button, there is a link for "Community Outreach Handouts and Posters" and another link for "General FAQ's". A sidebar on the left contains a list of navigation options: Meet Your Town Council, Citizen Advisory Committees, Electoral Residency District Maps, Historical Document Search, Live Video, Maps, Morrisville Brand, Press Releases, Public Notices, Public Records Requests, Departments & Services, Administration, and Engineering.

# **Public Comment Session**

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# **Planning & Zoning Board Discussion**

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