



# **Northwest Huntersville Transportation System Plan, Phase 2 System Recommendations**

Town Board October 21, 2019



# Presentation Purpose

- Review purpose of Comprehensive Transportation Plan (CTP) and specific alignment determinations
- Receive technical team recommendations
- Consider recommendations to Charlotte Regional Transportation Planning Organization (CRTPO) on modifications to CTP highway, bicycle, and pedestrian maps

# What is the CTP?

- A set of 4 maps for different transportation modes
  - Highway
  - Pedestrian
  - Bicycle
  - Transit/Freight Rail
- Adopted by CRTPO & NC Board of Transportation
- Shows status of facility:
  - Existing (no improvement needed)
  - Needs improvement
  - Recommended (nothing there today)
- Highway map replaces Thoroughfare Plan
  - Various classifications of highways
- The CTP is long term & not financially constrained
- The CTP does not prioritize projects or ensure funding



# Why Define Alignments?

- Through local ordinances, the CTP is used to
  - Protect rights of way for future needs
  - Ensure compatibility of land development with transportation system
  - May control some land uses
- Alignments of roadways must be determined through “...acceptable locational procedures sufficient to define properties to be affected...” in order to require right of way dedication for thoroughfares



# CTP Decisions Needed

- Amendments to CTP maps for routes of
  - Highways
  - Bicycle facilities
  - Pedestrian facilities
- Decisions involve a system of several thoroughfares
- Bicycle and pedestrian accommodations follow thoroughfare alignments or routes on Huntersville Greenway/Bikeway Master Plan.
- NCDOT has determined the future alignment of NC 73 west of Beatties Ford Rd under TIP R-5721 environmental study: CTP Highway, Bicycle, & Pedestrian maps need amending



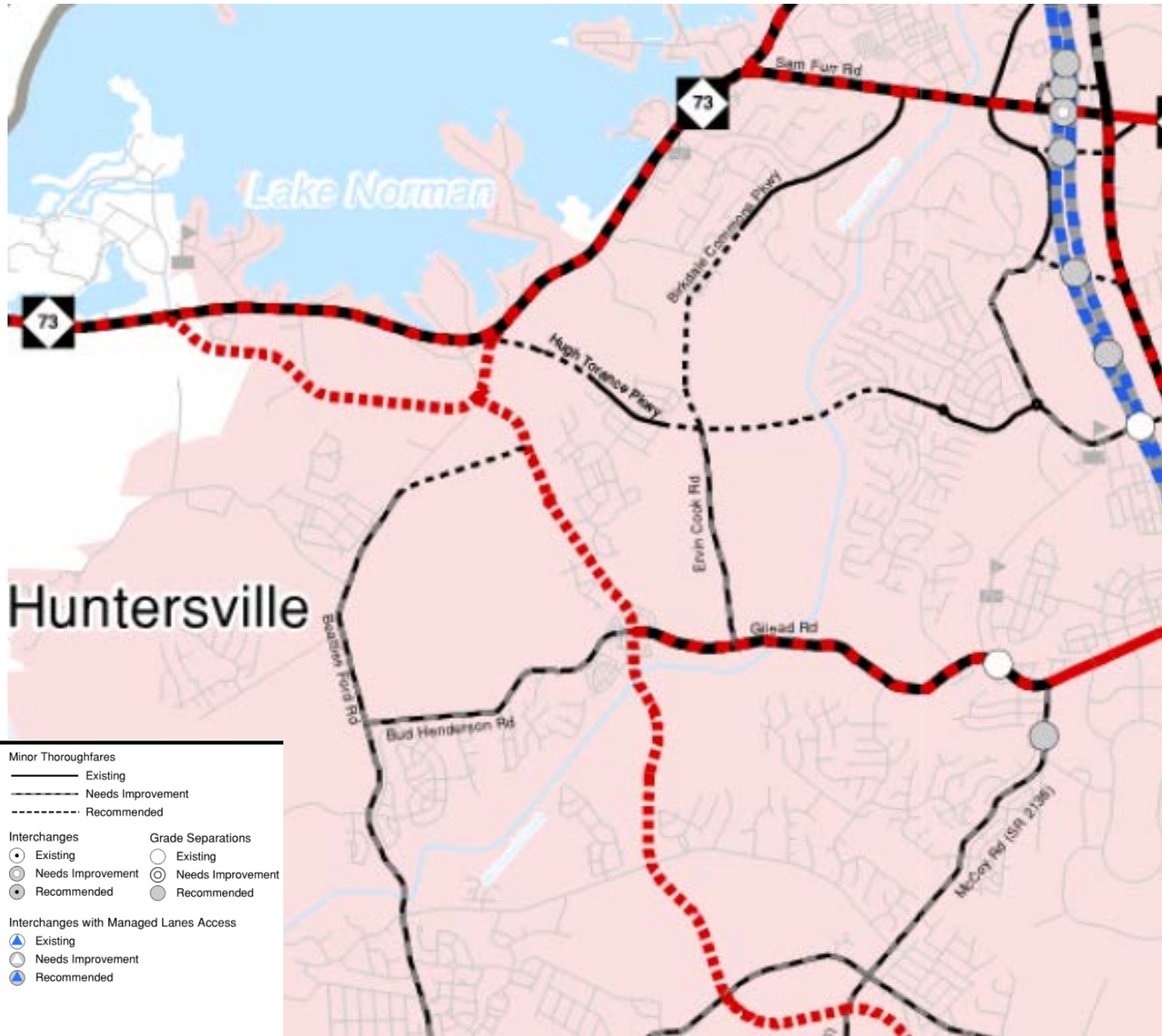
# 1988 Thoroughfare Plan

1990 Huntersville  
population: 3,014

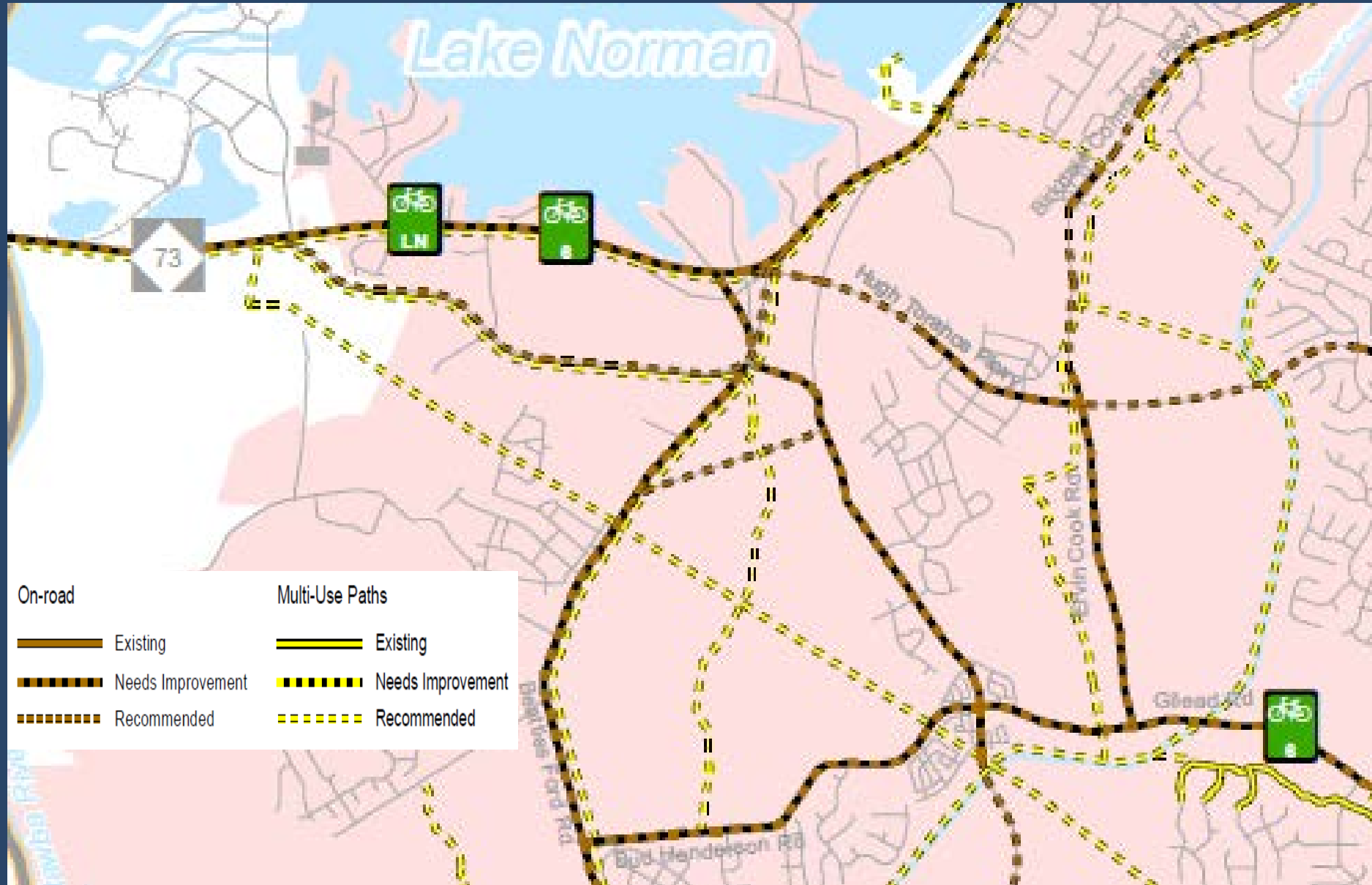




# Current 2019 CTP Highway Map

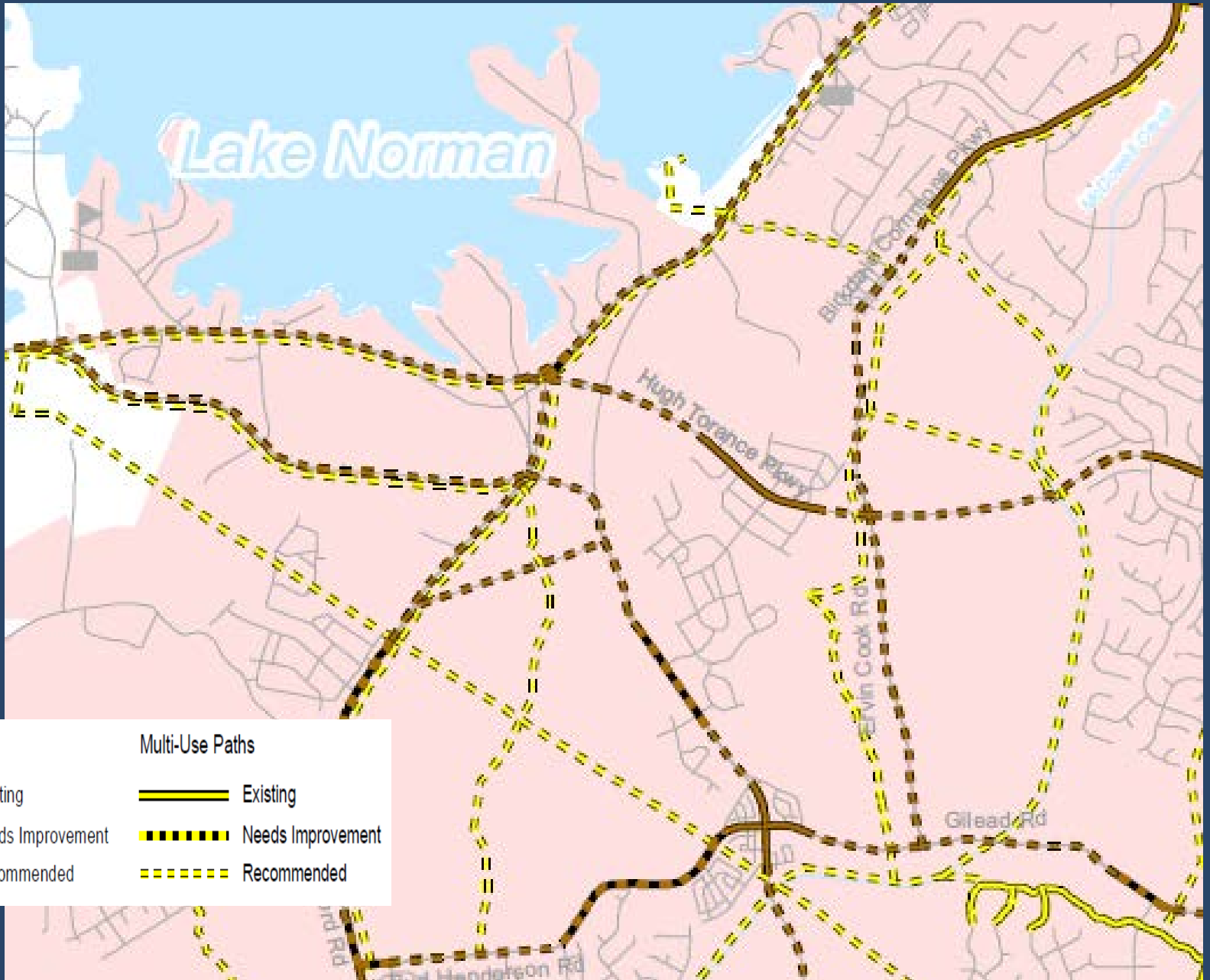


# CTP BICYCLE MAP (ADOPTED)





# CTP PEDESTRIAN MAP (ADOPTED)



# Highway Map

- In 2018, recommended options were presented to Town Board & Planning Board
- Town Board asked Commissioners Hines and Boone to develop an option using Oliver Hager Rd and taking thoroughfare designation off Hugh Torance Parkway in Gilead Ridge
- Process paused while NCDOT revised NC 73 design
- Option C-3 emerged from that process

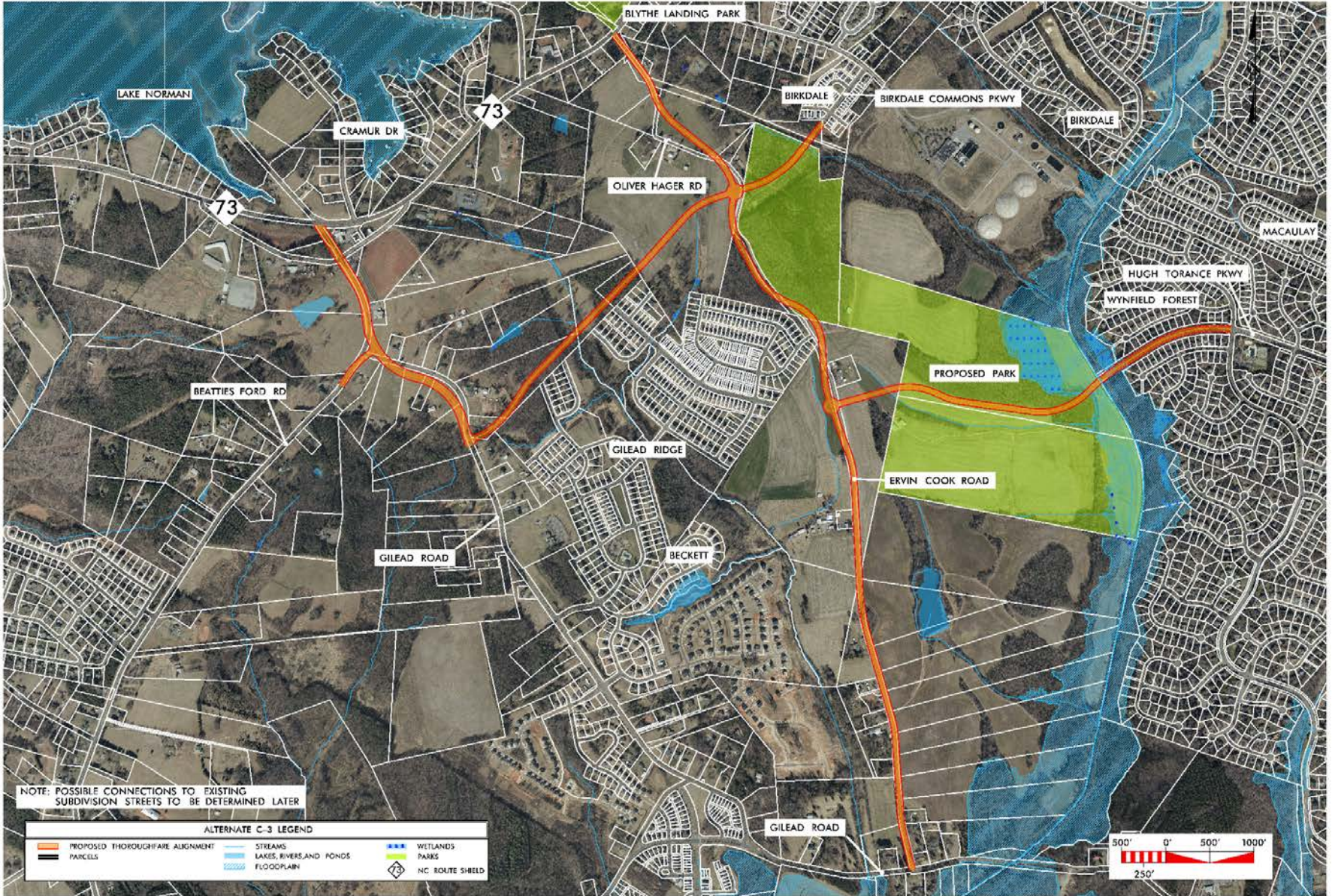
# Highway Map cont.



- Option C-3 issues
  - Thoroughfare impacts to County owned parkland, need to mitigate
  - Crossing of McDowell Creek Greenway, grade separation needed
  - Alignment using Oliver Hager Rd can access a median opening on widened NC 73
  - 80' buffer between new road and existing homes where possible (Town development standard)
  - Whether to connect Birkdale Commons Pkwy to Gilead Rd
  - Connections to thoroughfares will be determined through subdivision design or specific project design



### ALTERNATE C-3





# Public Workshop # 3

- October 10, 2019
- 94 attendees signed in
- 13 comment sheets, 4 emails
  - Most comments were supportive of C-3 option
  - Several comments concerned over proximity to northeastern side of Gilead Ridge
  - Several comments opposed to extending Hugh Torance Parkway in Wynfield Forest
  - Several comments supporting connection of Hugh Torance Parkway (in Gilead Ridge) to thoroughfare network

# CTP SYSTEM RECOMMENDATIONS

- Recommend that CRTPO modify the CTP highway map to:
  - Remove the realignment of NC 73 between McGuire Station and Beatties Ford Rd
  - Alter the other roadway network in compliance with Alternative C-3
  - Show grade separation for McDowell Creek Greenway at Hugh Torance Parkway
- Recommend modifying the CTP bicycle and pedestrian maps to shift on-road facilities to follow new roadway routes, off-road routes t.b.d. under Bike Plan





# ALTERNATE D-1



- PROPOSED THOROUGHFARE ALIGNMENT
- FUTURE LOCAL ROAD
- \*LOCATION DETERMINED AT TIME OF DEVELOPMENT

# Decision Schedule



- October 21, 2019 Town Board consideration & possible recommendation
- November 7, 2019 CRTPO Technical Coordinating Committee consideration
- November 20, 2019 CRTPO presentation & possible decision
- TBD, NC Board of Transportation approval of multiple CTP amendments