



Carrboro Bike Plan

# STEERING COMMITTEE KICKOFF MEETING

# Today's Meeting

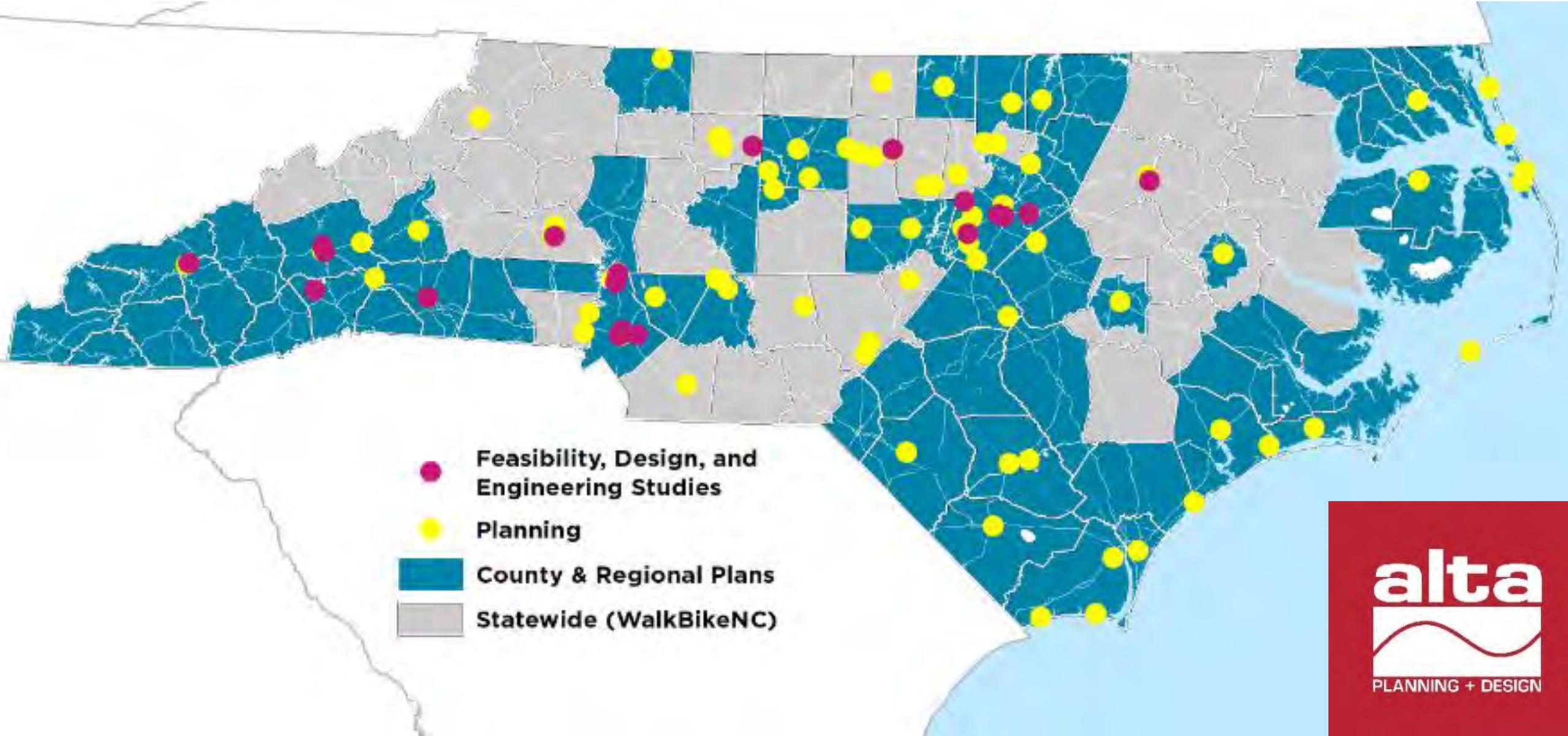
1. Scope/Schedule Overview
2. Vision & Goals
  - a) 2009 Plan vs 2019 Plan
  - b) The League of American Bicyclists' Bicycle Friendly Communities (BFC) – Peer City Review
3. Ideas for Public Involvement
4. Map Exercise
5. Next Steps



# PROJECT OVERVIEW

A blue-tinted photograph of a street scene. In the foreground, a person wearing a helmet and a backpack is riding a bicycle towards the camera. The street has yellow double lines and a white arrow pointing left. In the background, there are several cars, including a white sedan and a dark SUV. There are trees and a utility pole on the left side of the street. The overall scene is a typical urban or suburban street.

# ALTA PLANNING + DESIGN *in* NORTH CAROLINA



# Bike Plan Background

## Carrboro was a 2018 NCDOT Bicycle & Pedestrian Planning Grant Recipient for Bike Plan

- Grant Program Initiated in 2004
- Grant Recipients: 195
- Adopted plans make local projects more competitive for funding
- 10 grants awarded in 2018  
(9 municipalities and 1 County)



# Bike Plan Schedule



# Steering Committee Purpose

Provide oversight and recommendations throughout the planning process for a more bikeable Carrboro that will best meet the needs of the community.

- **Discover** and share information to learn from each other
- **Review** and discuss plan elements
- **Inform** the public and the Town about topics addressed in the process



# Steering Committee Responsibilities

- **Deliberate in Good Faith** to balance interests and participate in a consensus building process
- **Represent Constituents** when reviewing issues and recommendations
- **Attend Meetings** and fully participate in each meeting



# OUR SCOPE

A blue-tinted photograph of a street scene. In the foreground, a cyclist wearing a helmet and a backpack is riding a bicycle towards the camera. The street has yellow double lines and a white arrow pointing left. In the background, there are several cars, including a white sedan and a dark SUV. The street is lined with trees and a utility pole. The overall scene is bright and clear, suggesting a sunny day.

# What is a Bike Plan?

The purpose of the Carrboro Bike Plan is to outline how Carrboro can improve biking for users of all ages and abilities. The plan will develop a list of comprehensive improvements based on the following:

- Engineering
- Education
- Encouragement
- Enforcement
- Evaluation & Planning



# Bike Planning Benefits & Goals



**ENHANCE CONNECTIVITY**



**ENHANCE HEALTH**



**CREATE A POSITIVE ECONOMIC IMPACT**



**INCREASE SAFETY**



**PROTECT THE ENVIRONMENT**



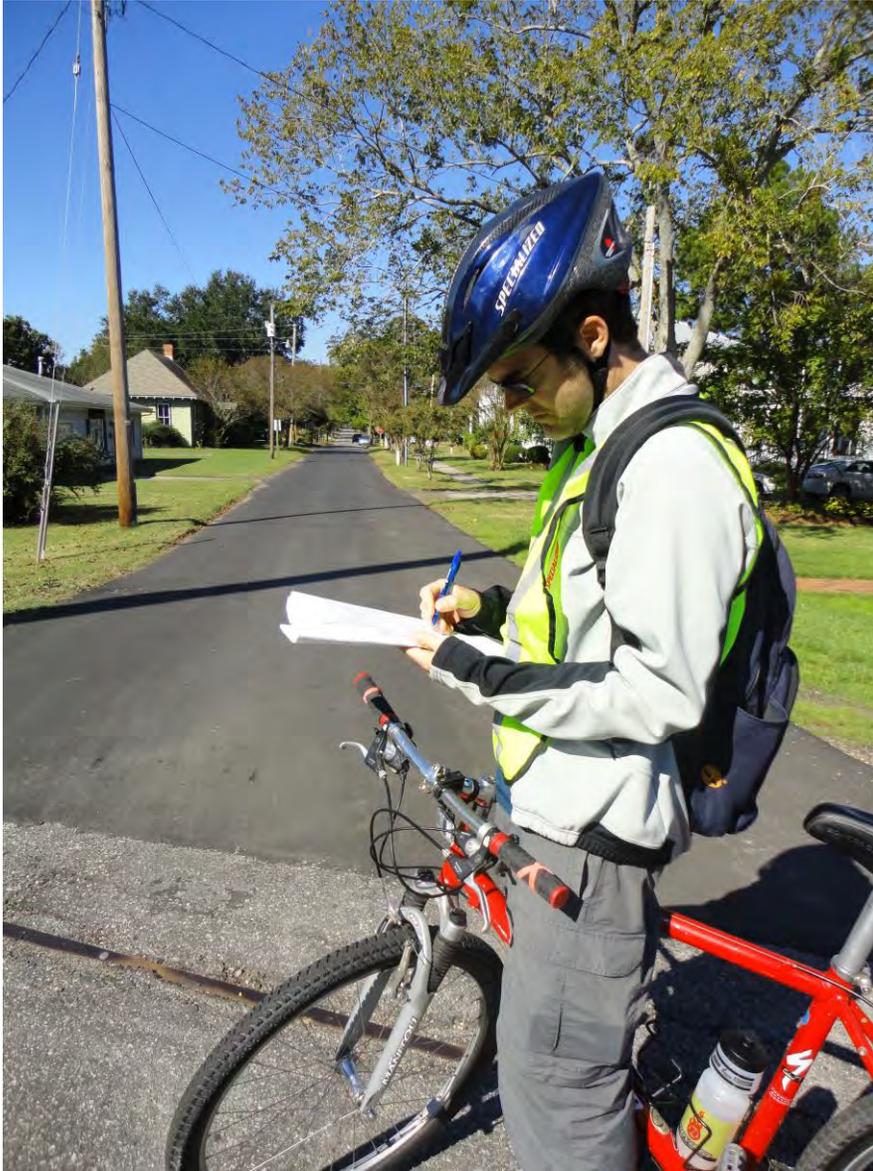
**INCREASE LIVABILITY**



**PROMOTE EQUITY**



# Existing Conditions



# Public Involvement Strategies

1. Project website
2. Social media
3. Business cards
4. Public surveys
5. Stakeholder Interviews



 **PUBLIC COMMENT FORM**  
[WWW.WEBSITE ADDRESS.COM](http://WWW.WEBSITE ADDRESS.COM)

What are your top priority projects for improving bicycling in Carrboro? For each, be sure to list the street or greenway name, starting point and ending point. For example: *Old US 1 from New Hill Olive Chapel Road to Apex Peakway.*

Your **1st** priority project:

Your **2nd** priority project:

Your **3rd** priority project:

How would you rate overall bicycling in Carrboro?

Very good

Good



 **BIKE PLAN**

Contact:  
**EMAIL HERE**

 **LEARN ABOUT THE PLAN**

 **SHARE YOUR IDEAS**

 **TAKE THE SURVEY**  
(SUMMER 2019)

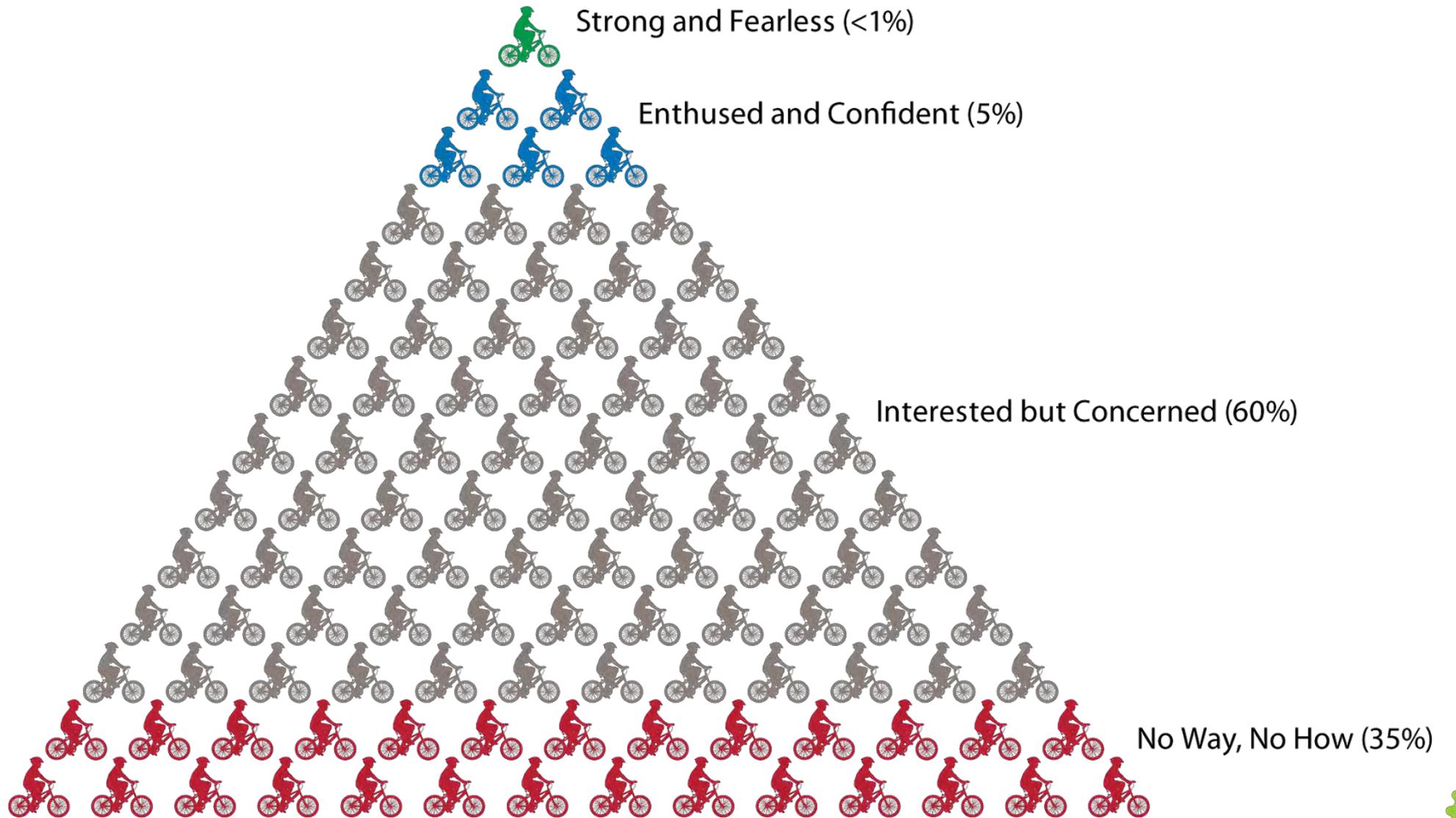
**WEBSITE ADDRESS**

# Public Involvement – Ideas for Events

1. Carrboro Farmers Market
2. Carrboro Day
3. Carrboro Open Streets
4. Weaver Street Market events



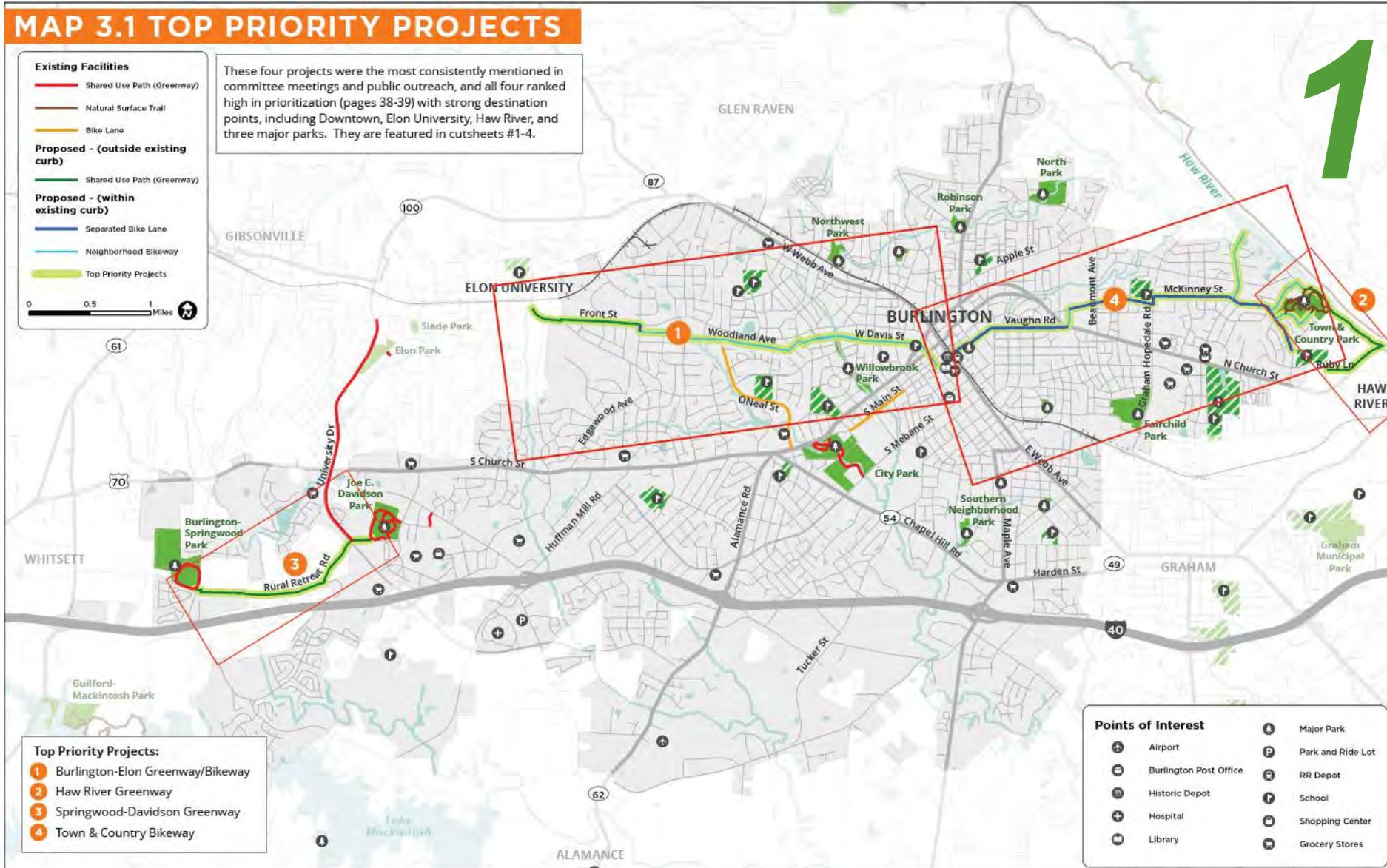
# Four Types of Cyclists



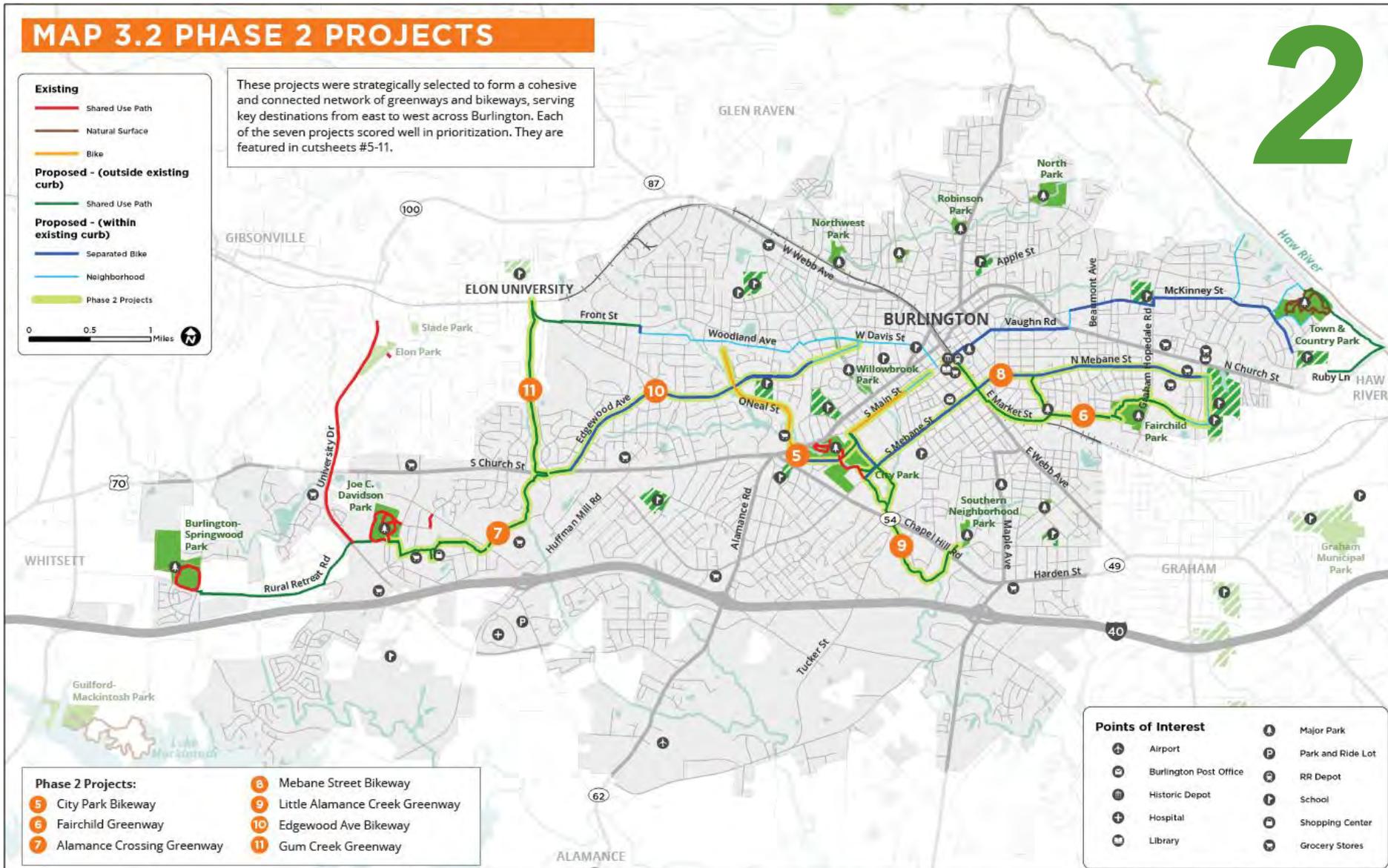
By Roger Geller, supported by data collected nationally since 2005.



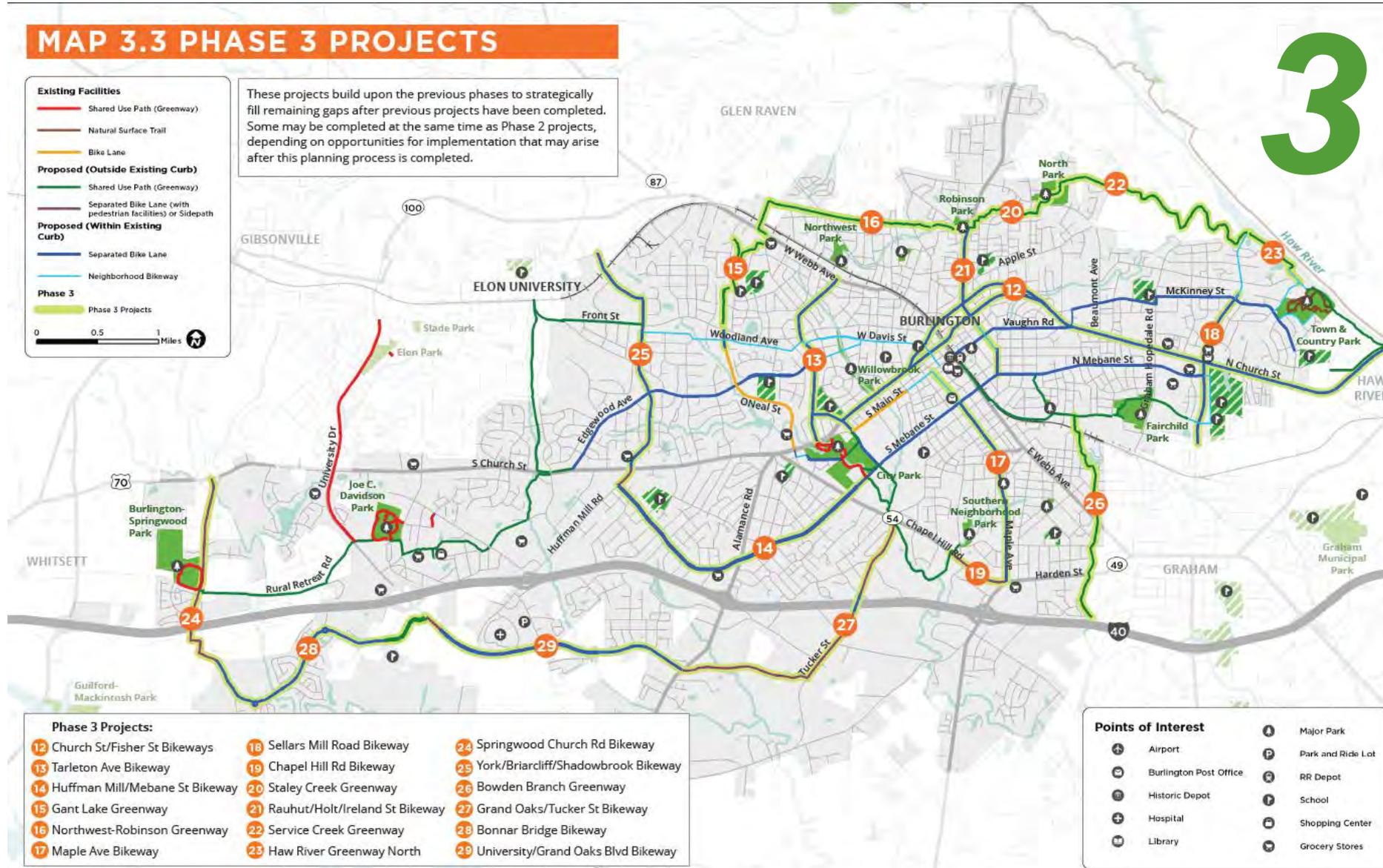
# Examples of Small Town Bicycle Network Maps: Burlington



# Examples of Small Town Bicycle Network Maps: Burlington



# Examples of Small Town Bicycle Network Maps: Burlington



# Implementation Focus and Strategies

Identifying reconstruction and resurfacing opportunities and working closely with:

- Carrboro Public Works
- Carrboro Planning Department
- NCDOT Division 7



# Priority Projects

## OPPORTUNITIES & CONSTRAINTS FOR PRIORITY PROJECT #1

A combination of bicycle shared-lane markings (sharrows) and directional signage would guide bicyclists to the side path on the south side of NC 55 and the greenway trail extension at Apex Jaycee Park, both of which are currently in-development.

Consider a future crossing and connection at Bryan Dr if a signal becomes warranted (to be studied by NC 55 project)

This gap between the Beckett Crossing Greenway and the Beaver Creek Greenway is not essential to the Downtown-American Tobacco Trail connection, but it would connect more trail users to both destinations if completed, while also tying into major shopping areas. In the interim, a neighborhood route with wayfinding could connect these two greenways until permanent infrastructure is constructed.

This section of the Beaver Creek Greenway is being realigned to address flooding issues east of NC 540.

This short section of proposed trail (appx. 800') would connect the existing greenway in Kelly Rd Park to a proposed Kelly Rd trail underpass.

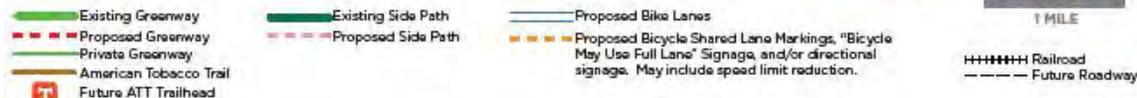
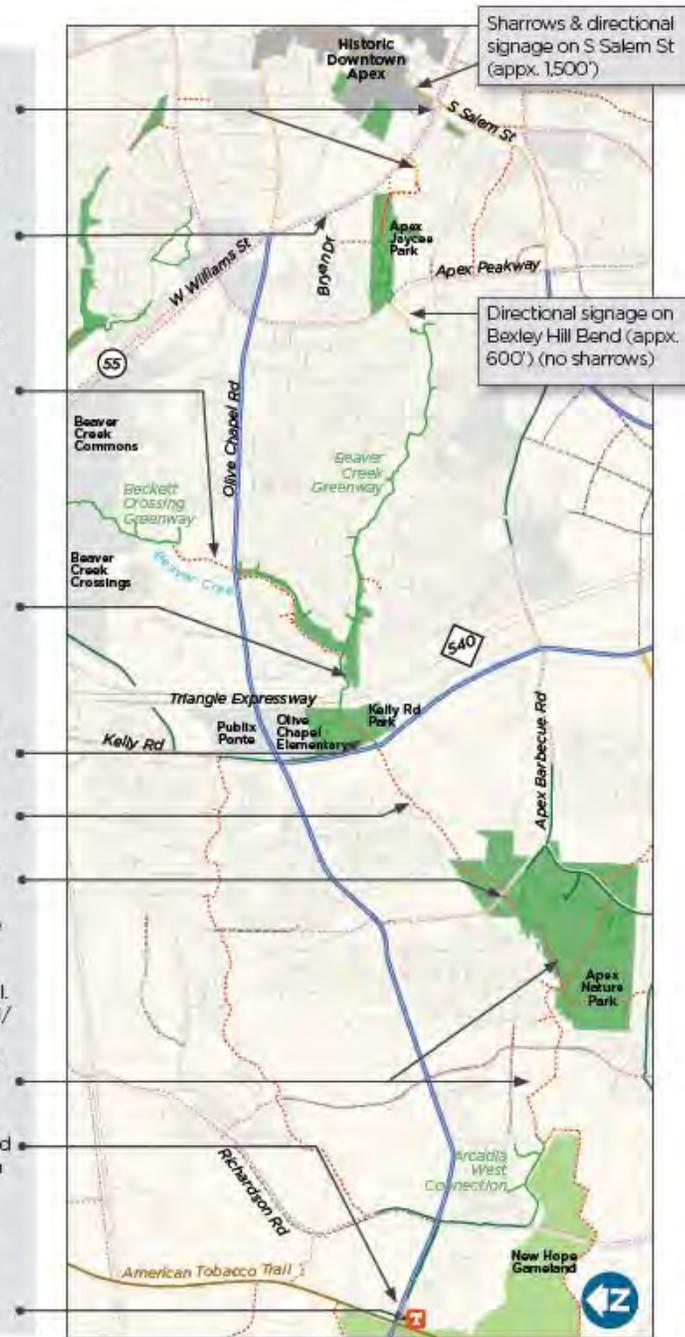
This section of trail is in-development, connecting Kelly Rd Park to Apex Nature Park.

There are plans to construct the greenway under the new Apex Barbecue Bridge (B-5161).

This section of proposed trail within Apex Nature Park (appx. 1,200') and connecting to Arcadia West (appx. 3,000'), is the last major section needed to connect to the American Tobacco Trail. Some portions would require trail easements and/or land acquisition to complete. Boardwalk is recommended for this section to reduce wetland impacts. The trail's location in the floodplain will increase permitting requirements.

500' of side path along Olive Chapel Rd is needed to complete the final connection to the American Tobacco Trail.

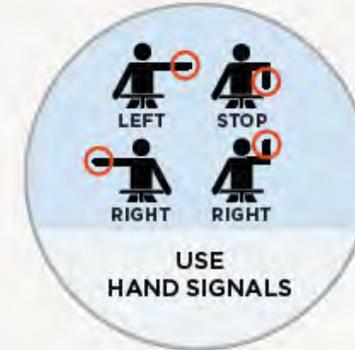
This future trailhead is located on Wake County property and in the interim, access to the ATT would be available via an off-road connection south of Olive Chapel Road due to constraints adjacent to the road.



# Education, Encouragement & Enforcement Strategies



## TIPS FOR SAFE BICYCLING



# CARRBORO TODAY



# The Big Picture



Do you believe Carrboro can be the most bicycle-friendly town in North Carolina?



# Size and Scale of Carrboro for Bicycling



3 miles from center = 15 min bike ride

1 mile from center = 5 min bike ride

## LEGEND

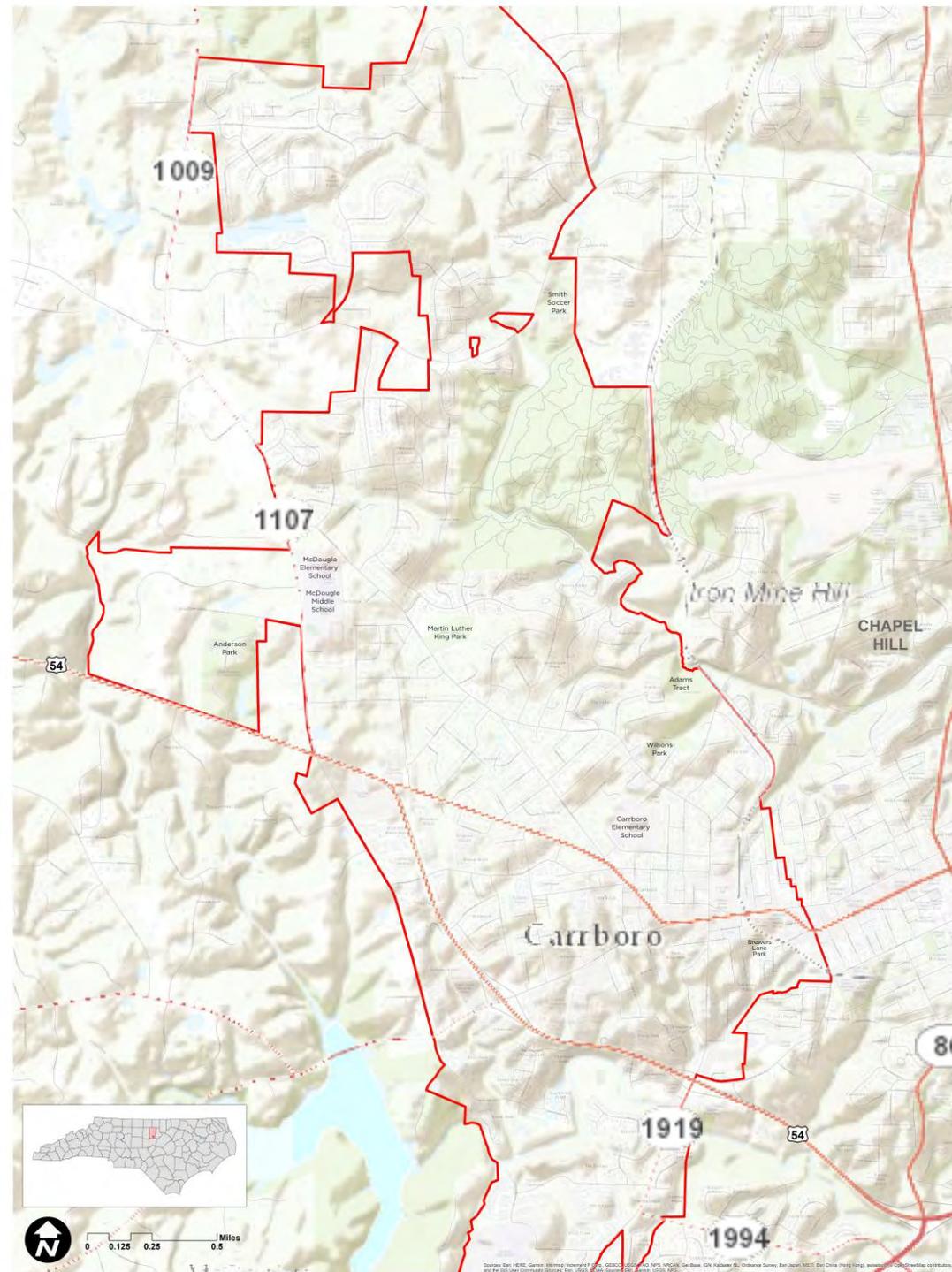
- |                                                                                                      |                                                                                                        |
|------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
|  Trails           | <b>Existing Bike Facilities</b>                                                                        |
|  Streets          |  Greenway - Paved   |
|  Carrboro Schools |  Bike Lane One Side |
|  Carrboro Parks   |  Wide Shoulder      |
|  UNC              |  Sharrow            |



# Topography and Landscape

Elevation:

463 ft



# UNC – Chapel Hill



## Student Population

# 29,469



THE UNIVERSITY  
of NORTH CAROLINA  
at CHAPEL HILL



## CAROLINA'S NEWEST CLASS

Carolina's newest first-year class includes **3,553 students from North Carolina** and **773 out-of-state students** who arrive on campus from:



**40** countries

**5%** of all first-year students are **global students**



**44** states

as well as Puerto Rico & Washington, D.C.



**98** NC counties

**40%** of all first-year students from NC are **from rural counties**

This fall, Carolina welcomed **5,121 new undergraduate students to campus**. The class includes 4,326 first-year students and 795 transfer students who arrive ready to contribute to our campus, state, and world. The class was selected from 46,967 applicants, marking the University's 13<sup>th</sup> consecutive year of record applications.

**44%** 

qualified for **need-based aid**

**262**

first-year students graduated from schools that are served by the **Carolina College Advising Corps** 

**44%**

of enrolling transfer students most recently attended a **North Carolina Community College**

# UNC – Chapel Hill

**BICYCLE FRIENDLY UNIVERSITY**  
SILVER THE LEAGUE OF AMERICAN BICYCLISTS

**UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL**  
285 MANNING DR  
CHAPEL HILL, NC 27599

**FILTER RESULTS** [-]

**BIKING IN YOUR AREA**

- CLUBS
- ADVOCACY ORGANIZATIONS
- BIKE SHOPS
- ATTORNEYS
- SUPPORTING BUSINESSES

**SEE BELOW FOR:**

- 9** LEAGUE CYCLING INSTRUCTORS
- 1** STATEWIDE ADVOCACY ORGANIZATIONS

**EVENTS**

- SMART CYCLING CLASSES
- RIDES
- OTHER BIKE EVENTS

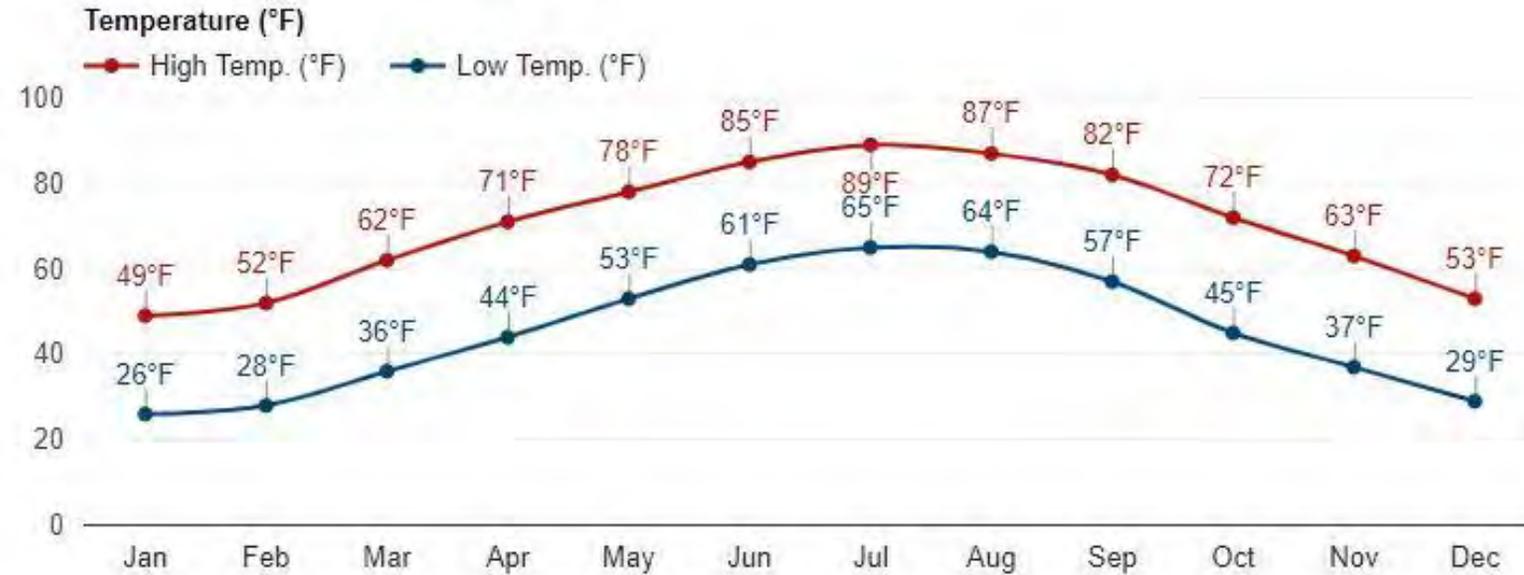
**BICYCLE FRIENDLY AMERICA**

- COMMUNITIES
- UNIVERSITIES
- BUSINESSES

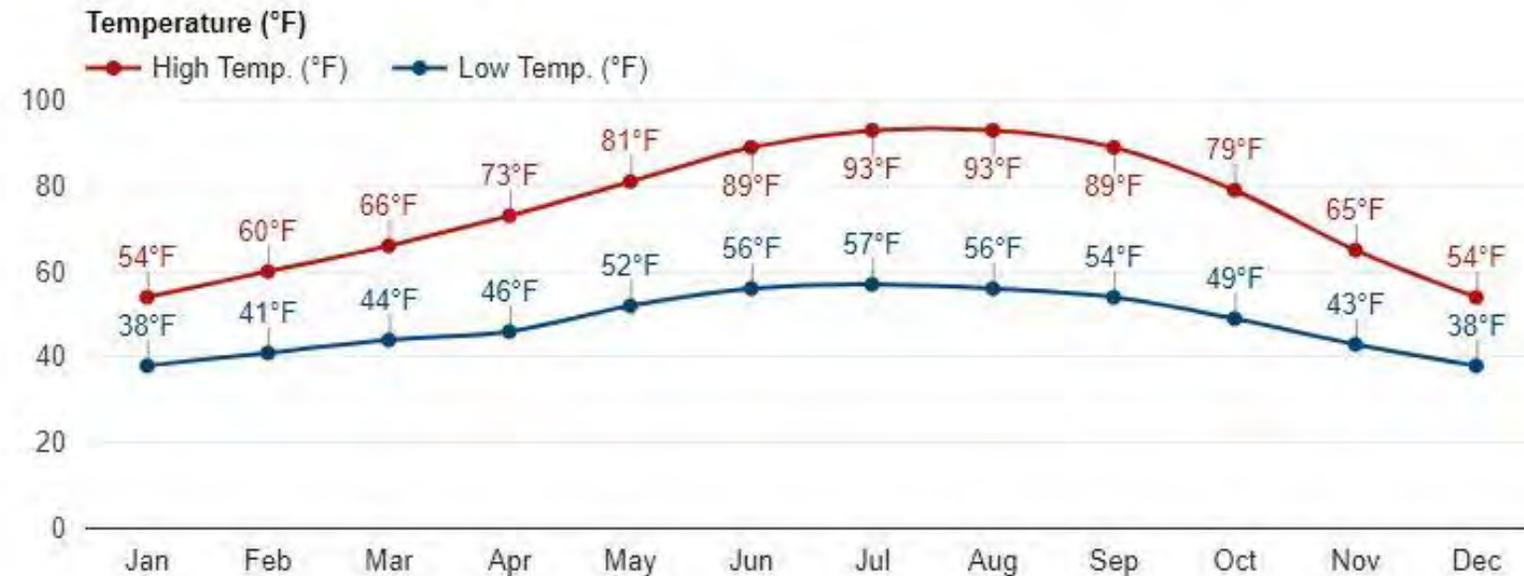


# Climate

Average temperature Carrboro, NC



Average temperature Davis, CA

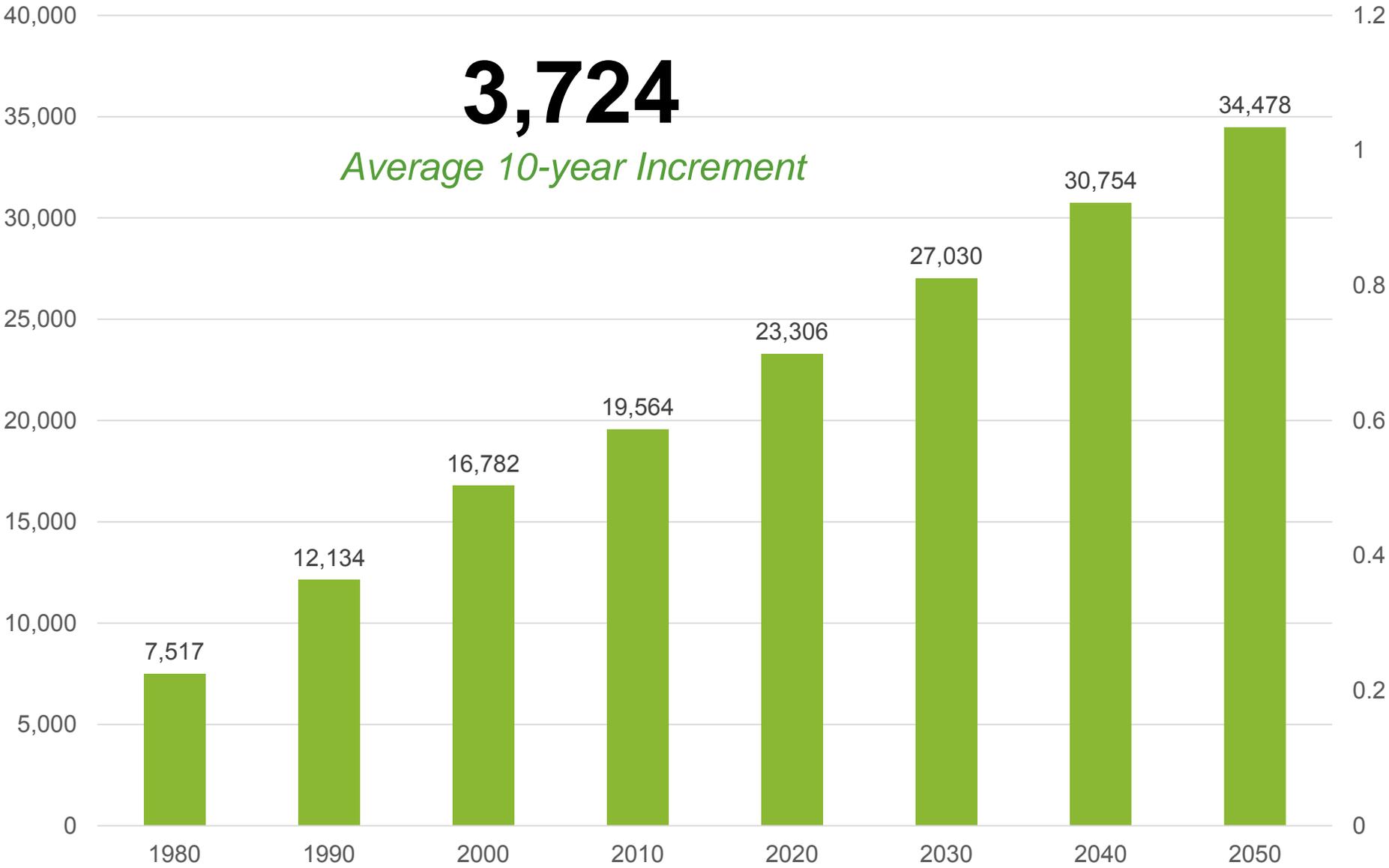


(Most Bike-Friendly Small Community in the US)

Population: 69K



# People: Population Projection



Linear Population Projections based on 1990-2010 Census



# People



Median Age

32.3

**6.5 years lower than  
median age of the U.S.**

- Young residents often have vastly different transportation needs
- Very young residents are often entirely dependent on other family members for transportation



# People: Education Attainment



High School or Higher

**93.7%**

Bachelors Degree or Higher

**31.1%**

Population 25 years and over



# People: Commuting Patterns



71.7%

Commute by car,  
truck or van

63.1%

Drive Alone While  
Commuting

21 mins

Average travel time

4.7%

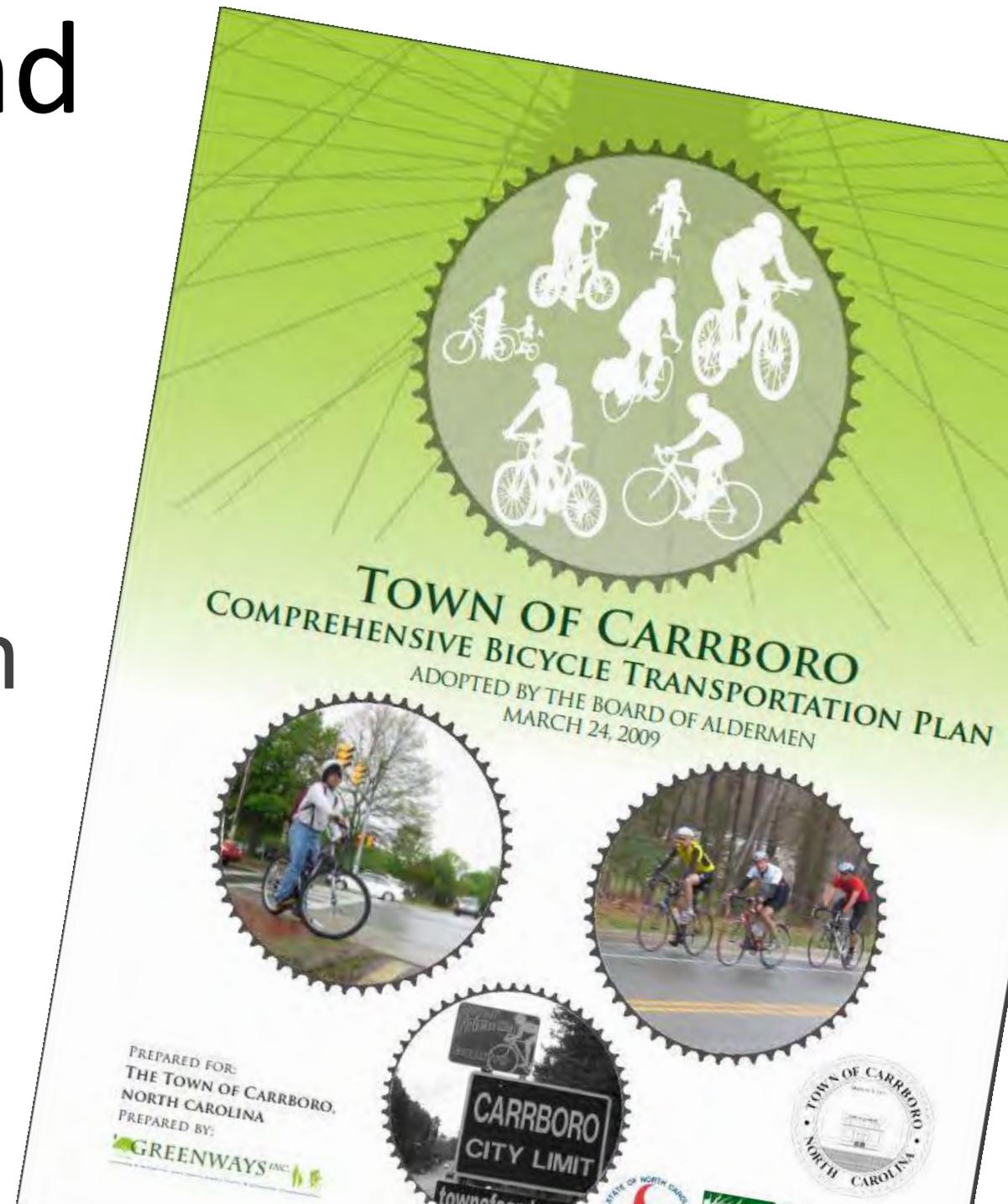
Commute  
by bike



Committee Discussion:  
**2009 BIKE PLAN vs  
2019 BIKE PLAN**

# Bike Plan Background

In 2008, Town of Carrboro decided to organize a Bicycle Transportation Plan with a Bicycle Friendly Communities (BFC) framework



Committee Discussion:

# BFC REPORT CARD & PEER CITY REVIEW

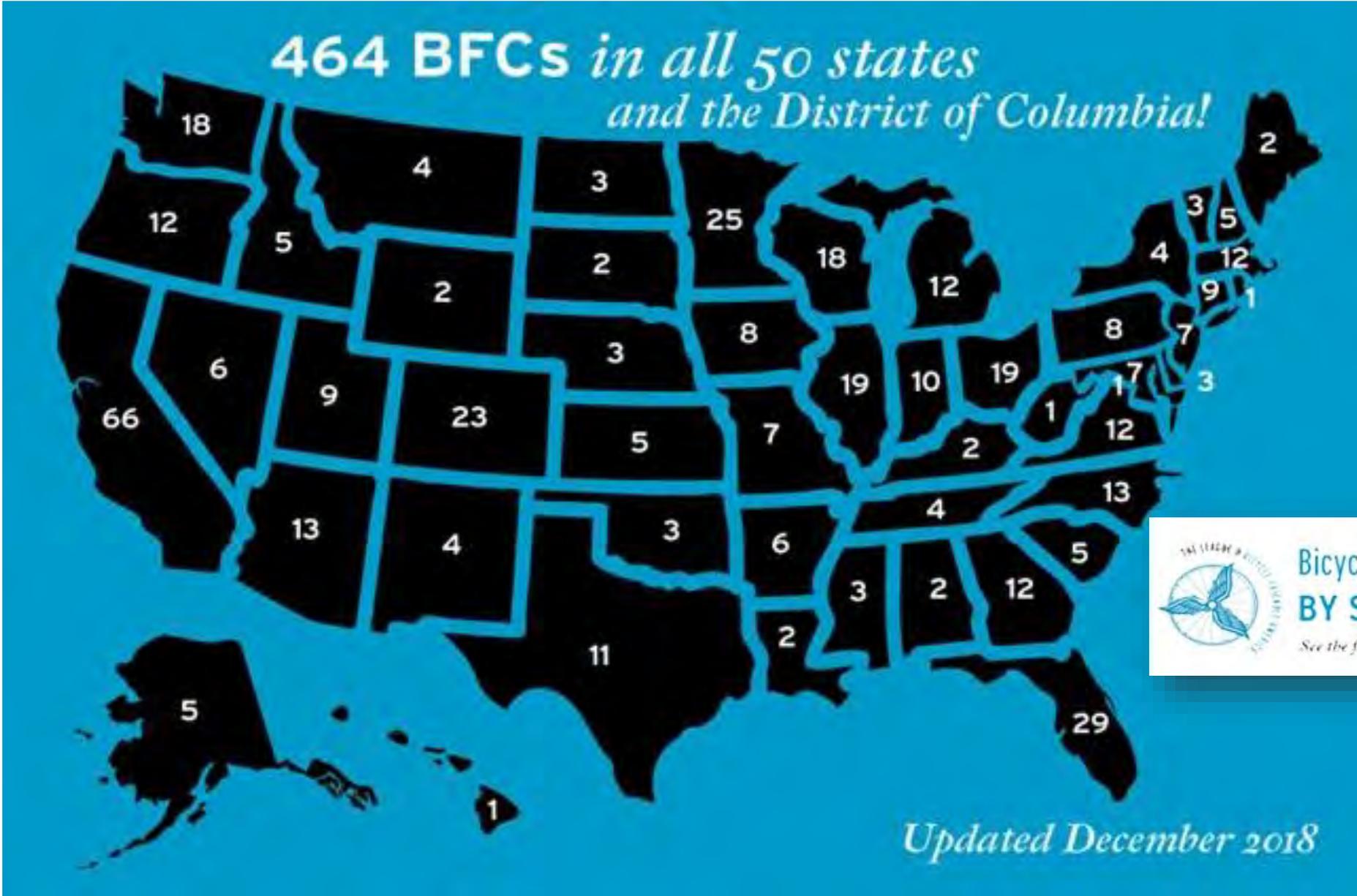


# Bicycle Friendly Community Program

- Established in 1995 by The League of American Bicyclists as their flagship advocacy campaign
- 2002: Expanded and framed by 5 E's
- Recognized on the national level for achieving safer roads, stronger communities and promoting bike safety



# Bicycle Friendly Community Program



Bicycle Friendly Communities  
BY STATE

See the full list at [bikeleague.org/community](http://bikeleague.org/community)



# Bicycle Friendly Community Program

- Carrboro awarded in 2010 with silver ranking
- The **first community** to achieve silver in North Carolina



# Carrboro's BFC Report Card



## **Positive attributes for Carrboro:**

- Possibilities for local businesses to apply for BFC certification
- UNC at Chapel Hill is currently silver-ranked



# Increase Network Connectivity



Major Street  
Shared Use Lane



Painted Bicycle  
Lane



Paint Buffered  
Bike Lane



Local Street  
Bikeway



Protected Bike  
Lane



Off-Street  
Pathway



# Example of Network Connectivity



# Develop System of Bike Boulevards



# Intersection Improvements



Low-stress bikeway, Fort Collins, Colorado



# Intersection Improvements



# Quality Bike Parking



Bike corral (Bike Maine)



# Social Community Rides



Cruiser bike rides (People for Bikes)



Committee Discussion:  
**IDEAS FOR PUBLIC  
INVOLVEMENT**



Committee Discussion:  
**MAPPING EXERCISE**

# Small Group Map Exercise

## Please help us identify:

- Accuracy of draft base map to-date
- Key destinations
- Additional existing facilities
- Bicycle facilities in-development
- Upcoming roadway projects with opportunity to add facilities
- Target areas and corridors for recommended improvements



# Next Steps

1. Conduct Analysis of Existing Conditions
2. Review and Outline Comments from Today's Exercises

## Upcoming Meeting Dates:

- March 28th: Existing Conditions
- May 30th: Preliminary Recommendations
- June 27th: Draft Plan Presentation



# THANK YOU!

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