

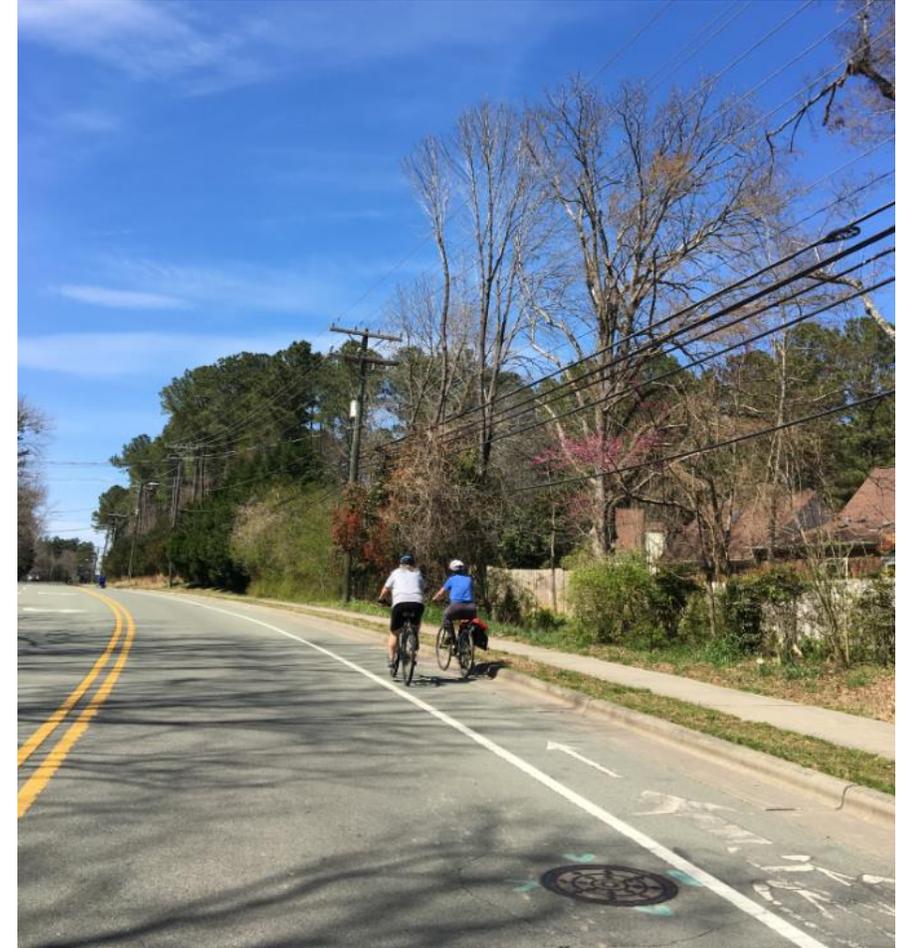


Carrboro Bike Plan

# STEERING COMMITTEE MEETING #4

# Today's Meeting

- Programs
- Policies
- DRAFT Network Update
- Priority Project Ideas
- Next Steps



# Programs



# Basis of Recommendations

CARRBORO, NC		
<b>TO BUILDING BLOCKS OF A BICYCLE FRIENDLY COMMUNITY</b>	All (avg) 2009	Current
Adopt a Street	100%	70%
Trail to Bicycle Network Mileage to the Next Network Mileage	4.2%	54%
Public Safety Officer Outreach	VERY GOOD	GOOD
10-15 Minute Driving Bicycle Access to	30%	82%
Bike Month and Bike to Work Week	VERY GOOD	GOOD
Active Bicycle Advisory Group	YES	YES
Active Bicycle Advisory Group Size	YES	VERY
Bicycle-Friendly Jobs & Creators	VERY GOOD	GOOD
Bike Path is Current and in Being Implemented	YES	YES
Bike Program Staff to Population	16/296	73/19
<b>POPULATION</b>	2009	2010
TOTAL POPULATION	3,268	3,370
TOTAL AREA SQ. MI.	5.5	
<b>POPULATION DENSITY</b>		
# OF LOCAL BICYCLE FRIENDLY BUSINESSES	0	
# OF LOCAL BICYCLE FRIENDLY UNIVERSITIES	N/A	
<b>CATEGORY SCORES</b>		
<b>ENGINEERING</b>	4.0	
<b>EDUCATION</b>	3.0	
<b>ENCOURAGEMENT</b>	3.0	
<b>ENFORCEMENT</b>	3.0	
<b>EVALUATION &amp; PLANNING</b>	4.0	
<b>KEY OUTCOMES</b>	All (avg) 2009	Current
<b>MEMBERSHIP</b>	2.0%	2.50%
<b>CRASHES</b>	3%	4.5%
<b>PAVEMENT</b>	0.0	1.0

BFC Report Card

Assessment of 2009 Action Steps

Committee Discussion on 5 E's

Draft Program & Policy Recommendations

2009 ACTION STEP ASSESSMENT	
<b>ENGINEERING</b>	<b>ENCOURAGEMENT</b>
<ul style="list-style-type: none"> <li>Training sessions for Town engineers and planners</li> <li>Partner with Orange County, Chapel Hill, and NCCCO representatives for training programs</li> <li>Ensure bike facilities are part of bridge construction projects</li> <li>Expand bike parking ordinance</li> <li>Create a bicycle-request response system for maintenance</li> <li>Improve signage and mapping</li> </ul>	<ul style="list-style-type: none"> <li>Provide incentives for employees for commuting by bike</li> <li>Apply for additional Safe Routes to School funding</li> <li>Develop bicycle repairs, summer bike camps, and other bike events</li> <li>Promote Bike Month and create additional activities</li> <li>Host own bike riding tours/events</li> <li>Utilize greenways and bike facilities for events</li> <li>Town should support Blue Urban Bikes and RECYCLERY programs</li> <li>Reach out to Spanish-speaking population with education and encouragement programs</li> </ul>
<b>EDUCATION</b>	<b>ENFORCEMENT</b>
<ul style="list-style-type: none"> <li>Develop educational brochures, articles, newsletters and billboards</li> <li>Launch traffic calming public education program that targets all roadway users</li> <li>Enhanced enforcement of unsafe behavior</li> <li>Continue "Basics of Cycling" course</li> <li>Develop educational bike map</li> <li>Training sessions for local-law enforcement</li> <li>Begin ambassador program formed by Advocacy Group members and citizens</li> <li>Increase number of League Cycling instructors</li> </ul>	<ul style="list-style-type: none"> <li>Enforce illegal motorist actions related to bike safety</li> <li>Create bike patrol positions</li> <li>Continue school crossing guard program and expansion</li> </ul>
	<b>EVALUATION</b>
	<ul style="list-style-type: none"> <li>Utilize Census Data to determine new mode share</li> <li>Research crashes and initiate crash reduction programs</li> <li>Measure new facilities as constructed and report on facility quality</li> <li>Regularly review and update bicycle-related policies</li> </ul>



# ENGINEERING *(Bicycle network & connectivity)*

- This category is covered by the Draft Plan's infrastructure recommendations
- Bike parking is covered in policy section

## *Related Engineering Program Recs:*

- Online app for the current bike network (regional level?)
- Bike amenity upgrades
- Tactical urbanism for testing new infrastructure

*Example:  
RGreenway  
App for Raleigh  
Greenways*



# ENGINEERING *(Bicycle network & connectivity)*

## *Tactical Urbanism Program*

*Short-term, relatively quick interventions to improve public spaces using low-cost materials*

- Experiment
- Evaluate and adjust
- Gather data
- Immediate public feedback
- Inspire action

... all before large investments in permanent infrastructure



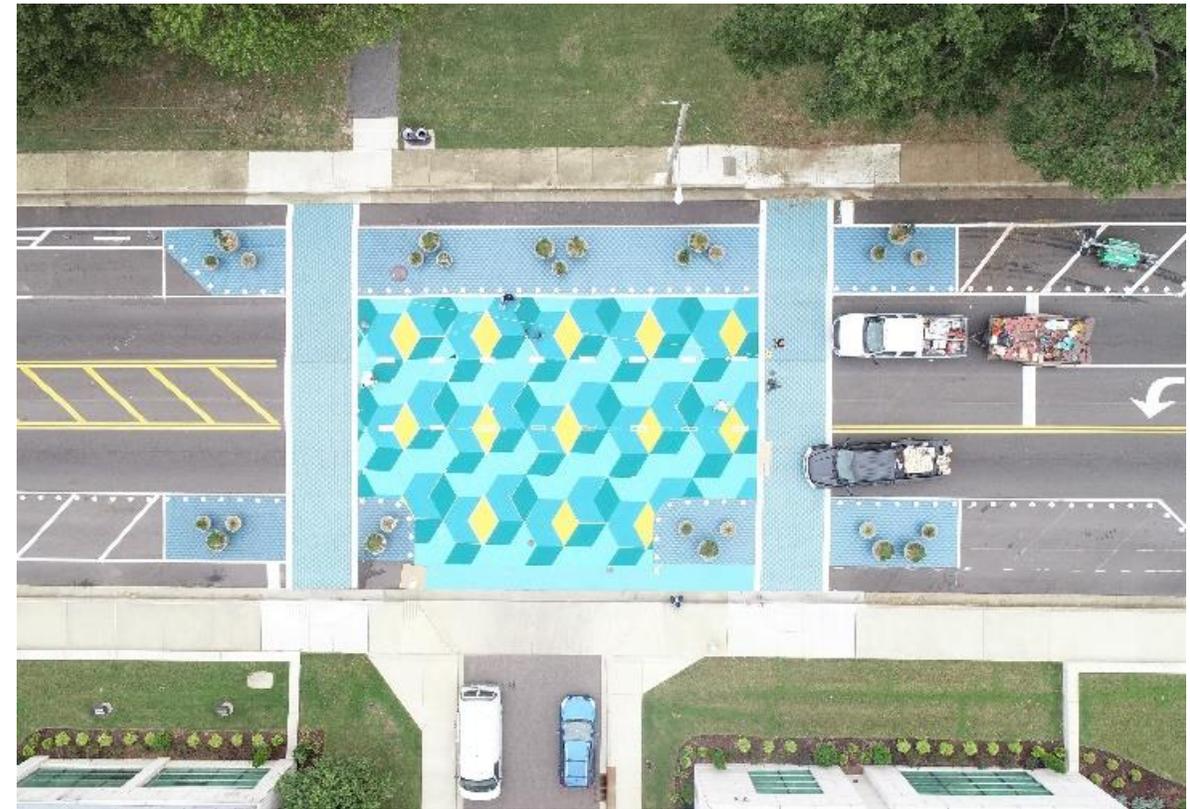
# Tactical Urbanism Example

## Case Study: Morgan Hill, CA



# Tactical Urbanism Example

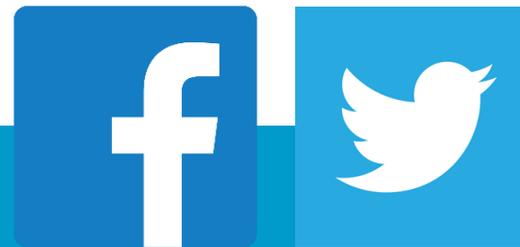
Case Study: Memphis, TN



# EDUCATION *(Motorist awareness & bicycling skills)*

- **BFC Report Card:** *“Continue to expand public education campaign promoting the share the road message.”*
- Develop a Carrboro-based social media campaign aimed at bicyclists AND motorists (instead of print material)

*Example Online Campaign*



**Social Media Toolkit**

*Sample posts and ideas for National Bike Month*

*LAB toolkit includes sample tweets & sample FB posts*



# EDUCATION *(Motorist awareness & bicycling skills)*

Formalize an advocacy ambassador program integrated with the Carrboro Bike Coalition.



*Example Program:*  
[bicycleambassadorprogram.org](http://bicycleambassadorprogram.org)  
*Fort Collins, CO*

# ENCOURAGEMENT *(Mainstreaming bicycling culture)*

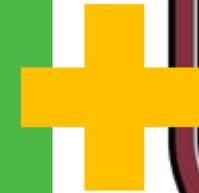
- **BFC Report Card:** *“Offer a greater variety of bicycling skills training opportunities for adults....more community or social rides.”*
- Re-evaluate “Basics of Bicycling” course, especially pertaining to women’s comfort level and older children.



# ENFORCEMENT *(Promoting safety & protecting bicyclists' rights)*

## From BFC Report Card:

*“Establish a formal communication channel between the Carrboro Police Department and the cycling community. Ask police officers to step up enforcement of both motorist and cyclist infractions.”*



*Examples could include a designated officer for bicycle-related issues, training for new officers, expanding on existing involvement, like bike light distribution.*

# EVALUATION *(Setting targets & having a plan)*

- Measure users & conditions before and after facility implementation
- Establish near miss reporting for bicycle crashes & crash reduction.
- Continue count programs such as NCDOT ITRE continuous counters on Libba Cotton & Old NC 86



# Potential Program Partners + Stakeholders

# Continue to Build & Expand Upon Community Partnerships for Programs

- Carrboro Bicycle Coalition (CBC)
- ReCYCLERY
- Clean Machine, Carolina Tarwheels, Triangle Off-Road Cyclists, Triangle Bikeworks, Back Alley Bikes, PARcycles
- Local Schools
- Carrboro Police
- Carrboro Recreation & Parks
- Town of Chapel Hill
- GoTriangle
- NCDOT: Watch for Me NC
- Chapel Hill Orange County Visitors Bureau
- Orange County



# Group Discussion



# Policy Recommendations

# Policy Considerations

- Continue & expand data collection efforts
  - *Example: Near-miss data: consider requiring local police to keep a record of reported near-miss crashes (for both bike & ped) – can be used alongside other crash data to observe trends*
- Consider options for a micro-mobility policy
- Consider options for equity in outreach policy
- Enhancements to existing bike parking policies



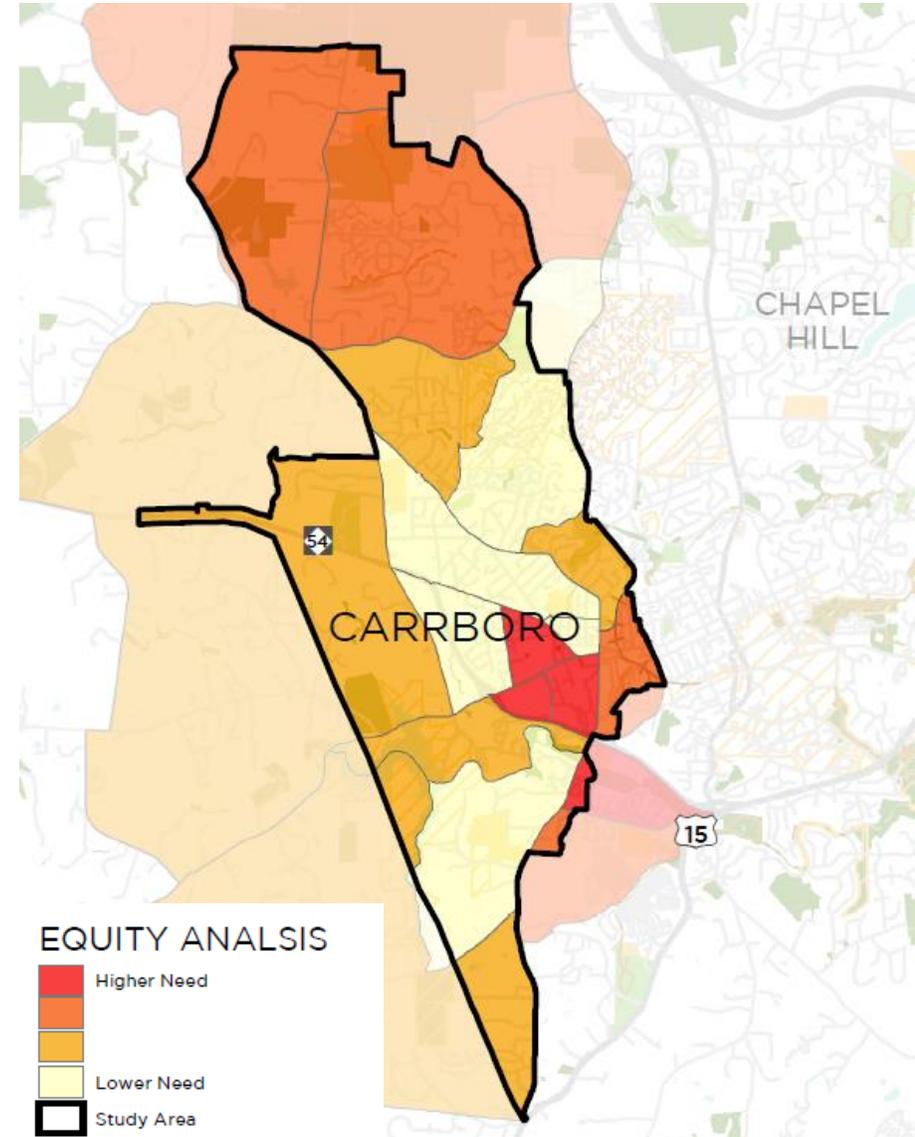
# Micro-Mobility Policy Considerations

- Dynamic topic area / best practices evolving
- Coordinate with Chapel Hill bike share and scooter policy development
- Plan to reference best practices nationally



# Equity in Outreach Policy Considerations

- Center equity during project scoping and budgeting phase
- Scope projects to allow for monitoring of participant demographics & perform targeted outreach to supplement
- Participants should help design the participation – Community Ambassadors identified early to help identify other stakeholders



# Bicycle Parking Policies

## 4 Steps to Updating the Ordinance

- 1 Adjust the language to clearly state what is **required** versus what is **recommended**. Reduce or remove exceptions.
- 2 Consider **adjusting the tradeoff options** or requirements by zoning type, aligned with regional examples.
- 3 In all bicycle ordinance documentation, **include clear definitions of terms, a common question section, and clear graphical depictions.**

- 4 **Expand the Design Guidelines** beyond specifying bicycle rack types to include:
  - Lighting requirements
  - Safety and security suggestions
  - Long term versus short term biking facilities
  - Integration with public transit systems

Total Required Bicycle Parking	Amount Required Outdoor or within a Parking <b>Structure</b>
Less than 20 spaces	A minimum of two spaces
20 or more spaces	A minimum of six spaces or at least 5% of required bicycle <b>parking spaces</b> , whichever is greater

Durham's UDO includes a simplified bike parking requirement chart.



# Bicycle Parking Policies

## *Steps to Improve Accessibility and Increase Bike Parking Expansion*

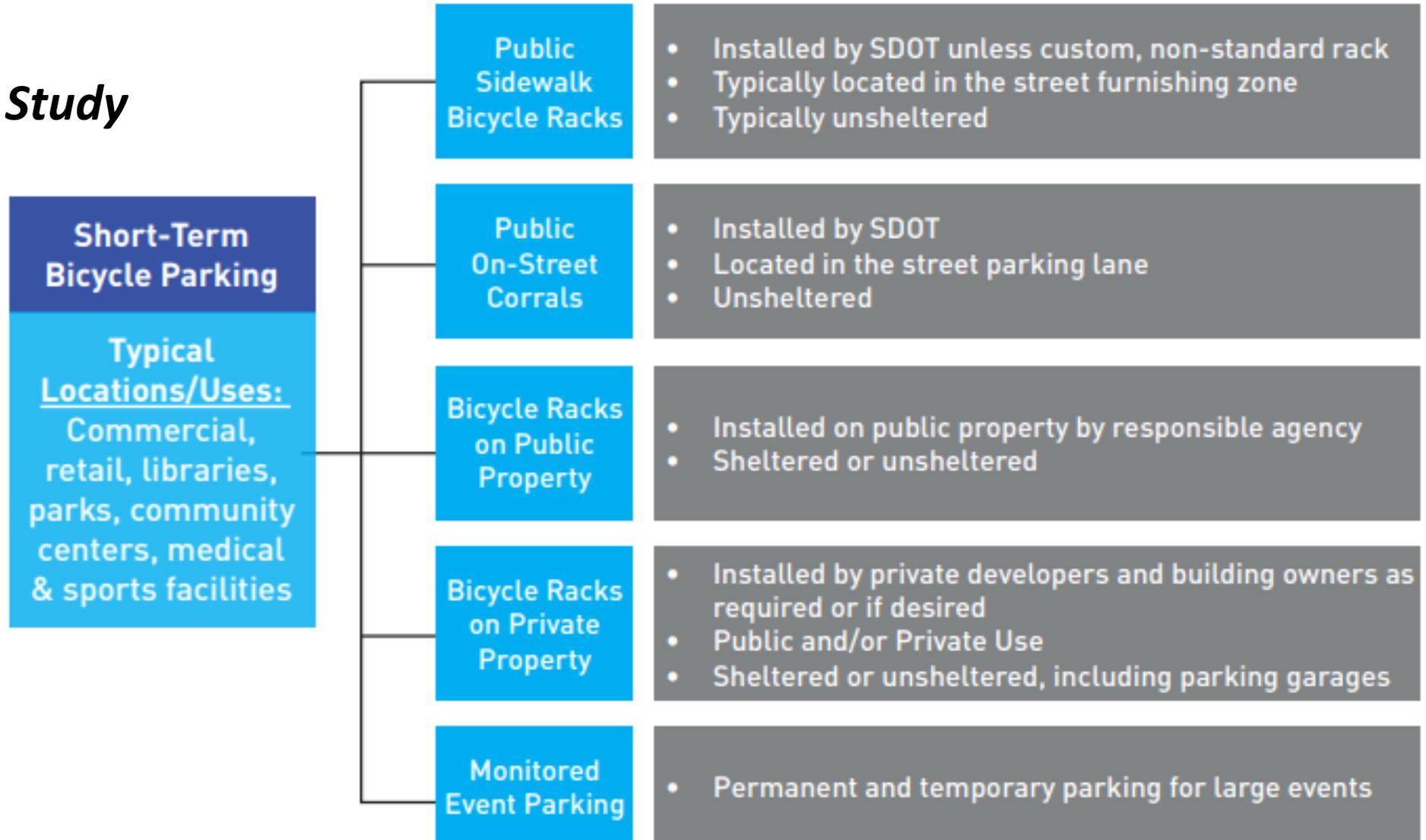
- 1** Create a **two-page document**, easily accessible online and ensuring continuity among land use ordinances and other regulations.
- 2** **Direct questions** to a specific person or email address in the Town of Carrboro staff. ✓
- 3** **Implement a bike rack program**, allowing for cost-share opportunities with local businesses.
- 4** **Consider a gifting program** where bicycle racks can be donated, adding character and connection throughout the community.



# Bicycle Parking Policies

## Seattle Case Study

The **Seattle Bicycle Parking Guide** not only has graphical depictions of good examples or bike racks, but also includes bike parking classification with installation procedures.



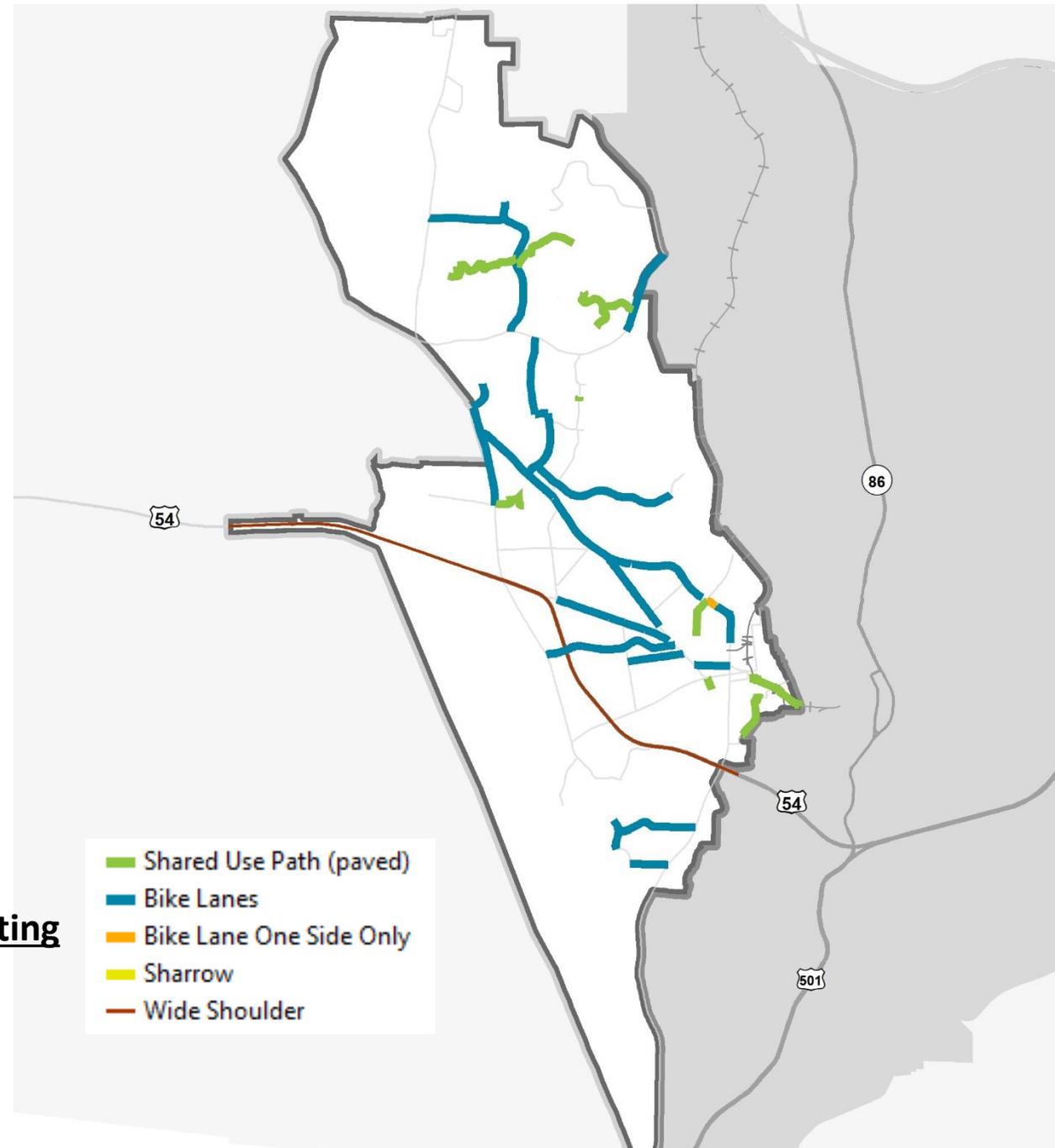
# Group Discussion



# Updated DRAFT Network Map Review

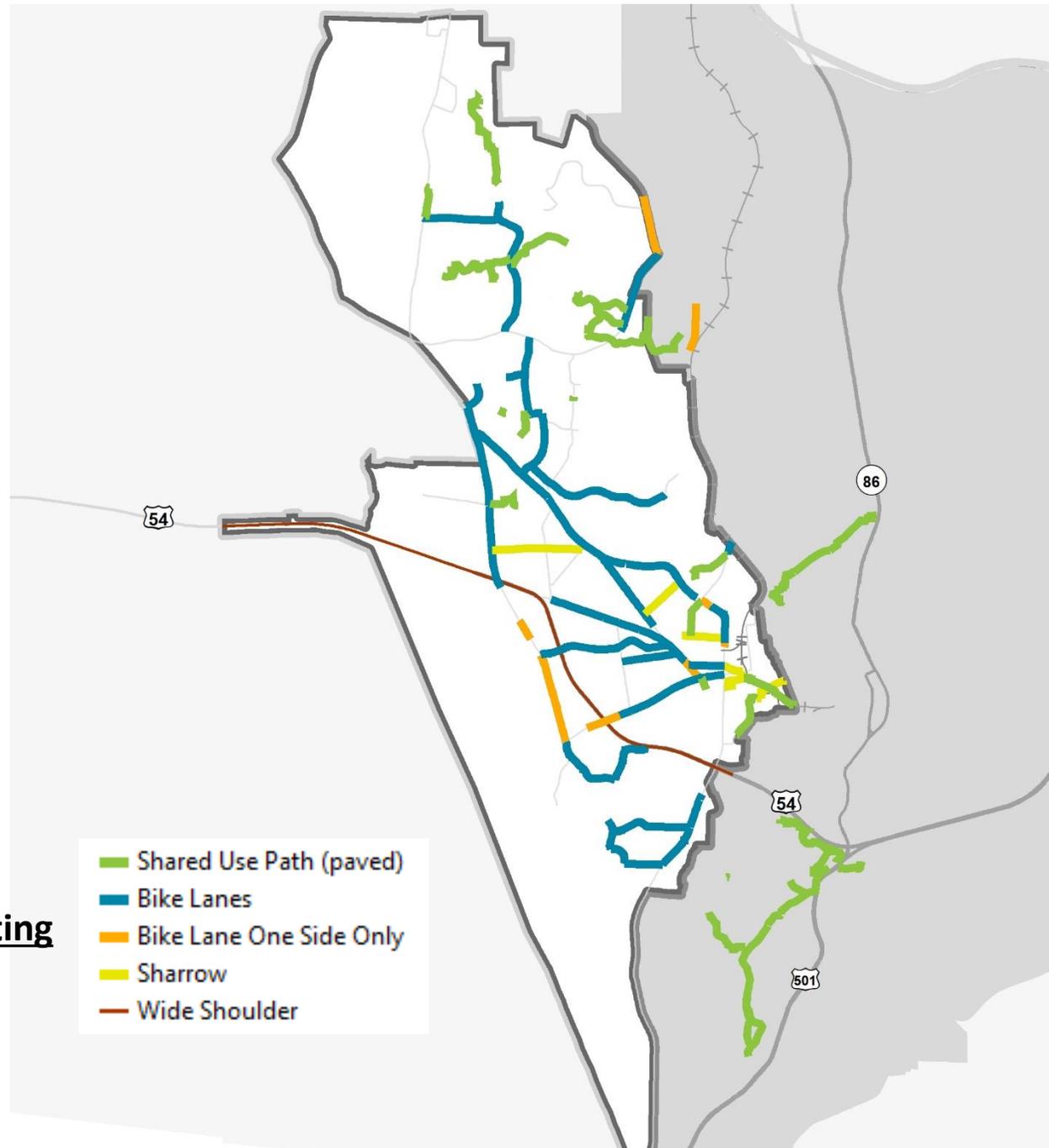
# Carrboro Bike Network 2009

Existing



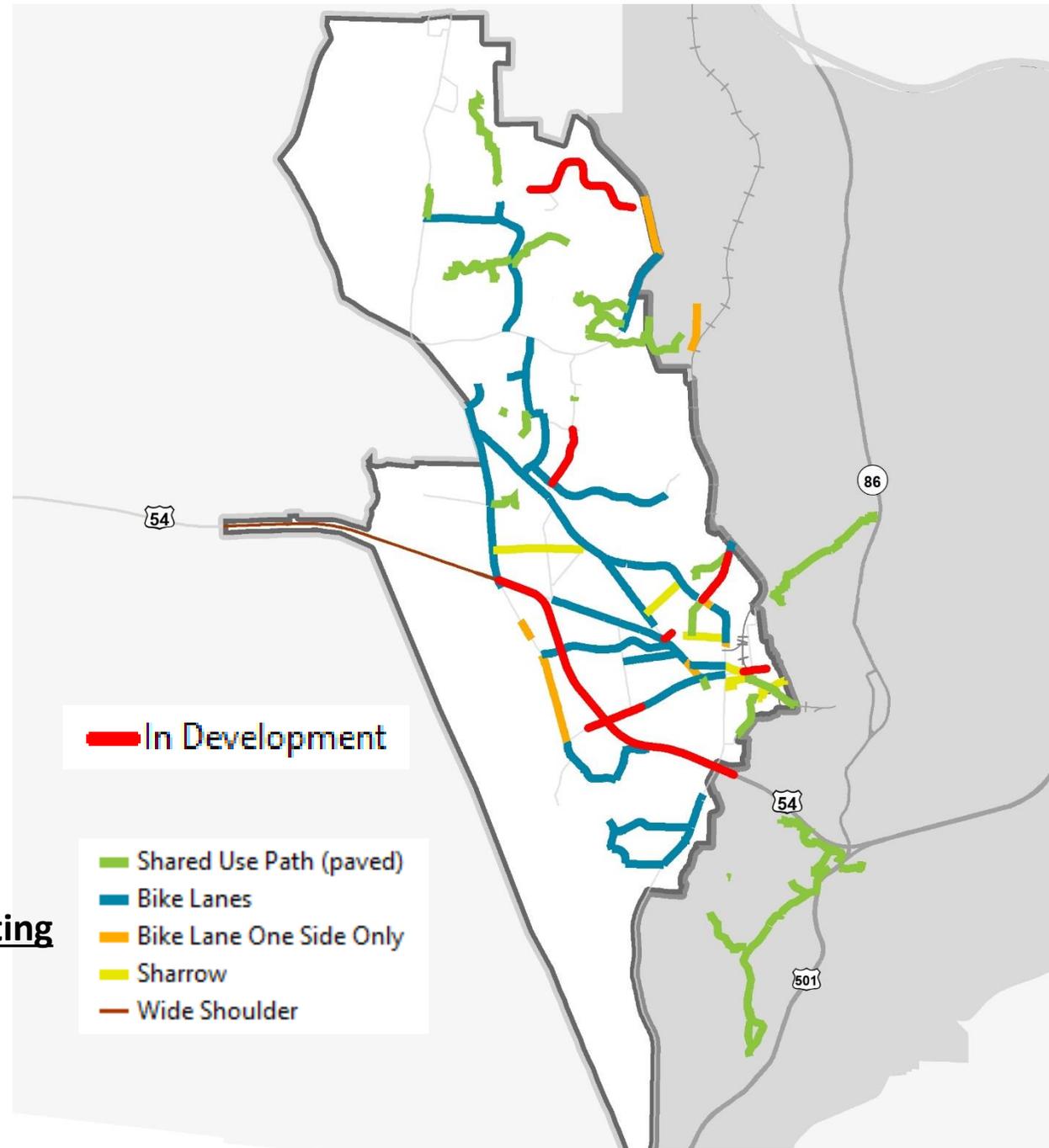
# Carrboro Bike Network Today

Existing

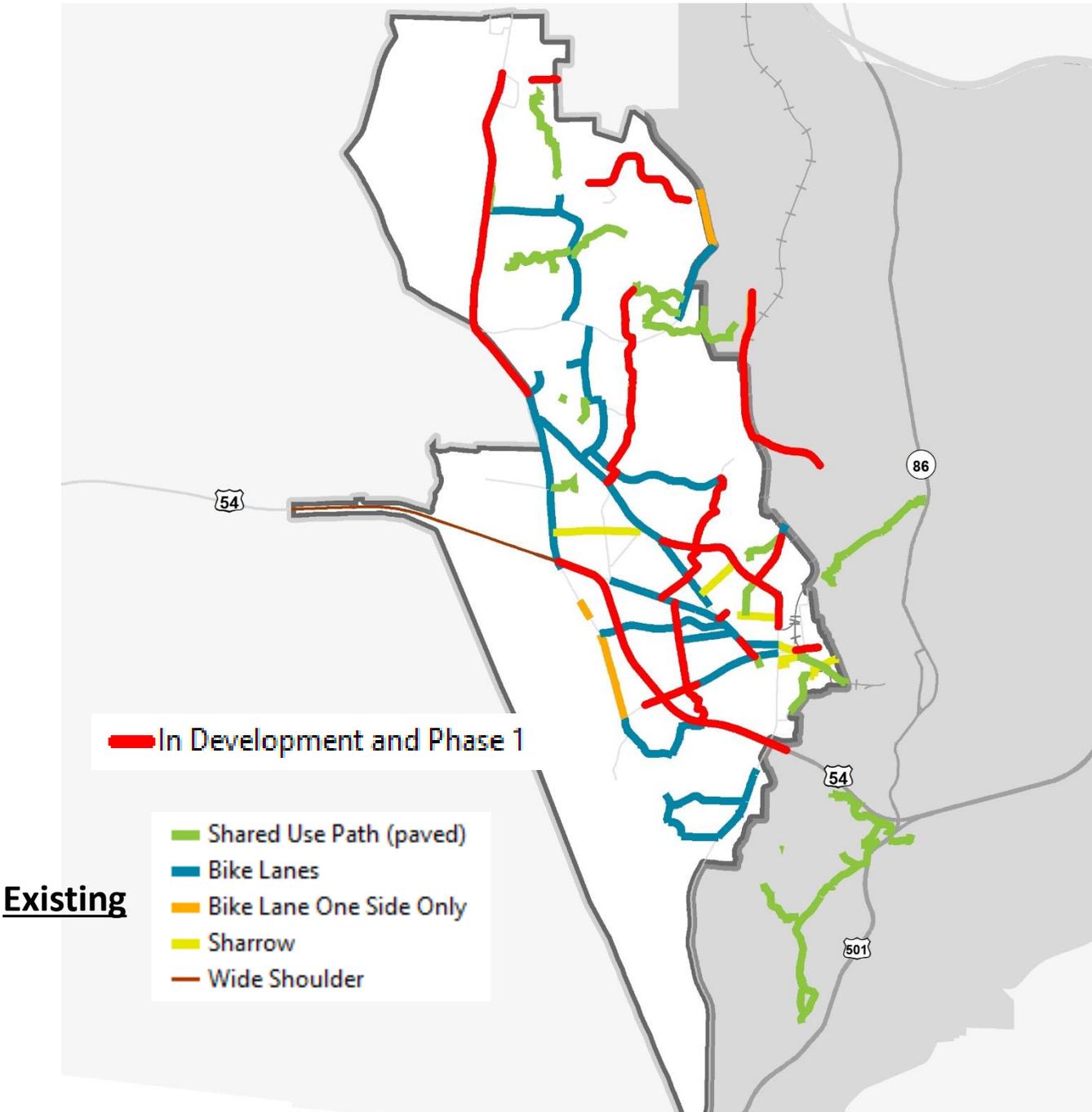


# Carrboro Bike Network Progressing Today

Existing



# Carrboro Bike Network Phase 1



# Carrboro Bike Network Long-term

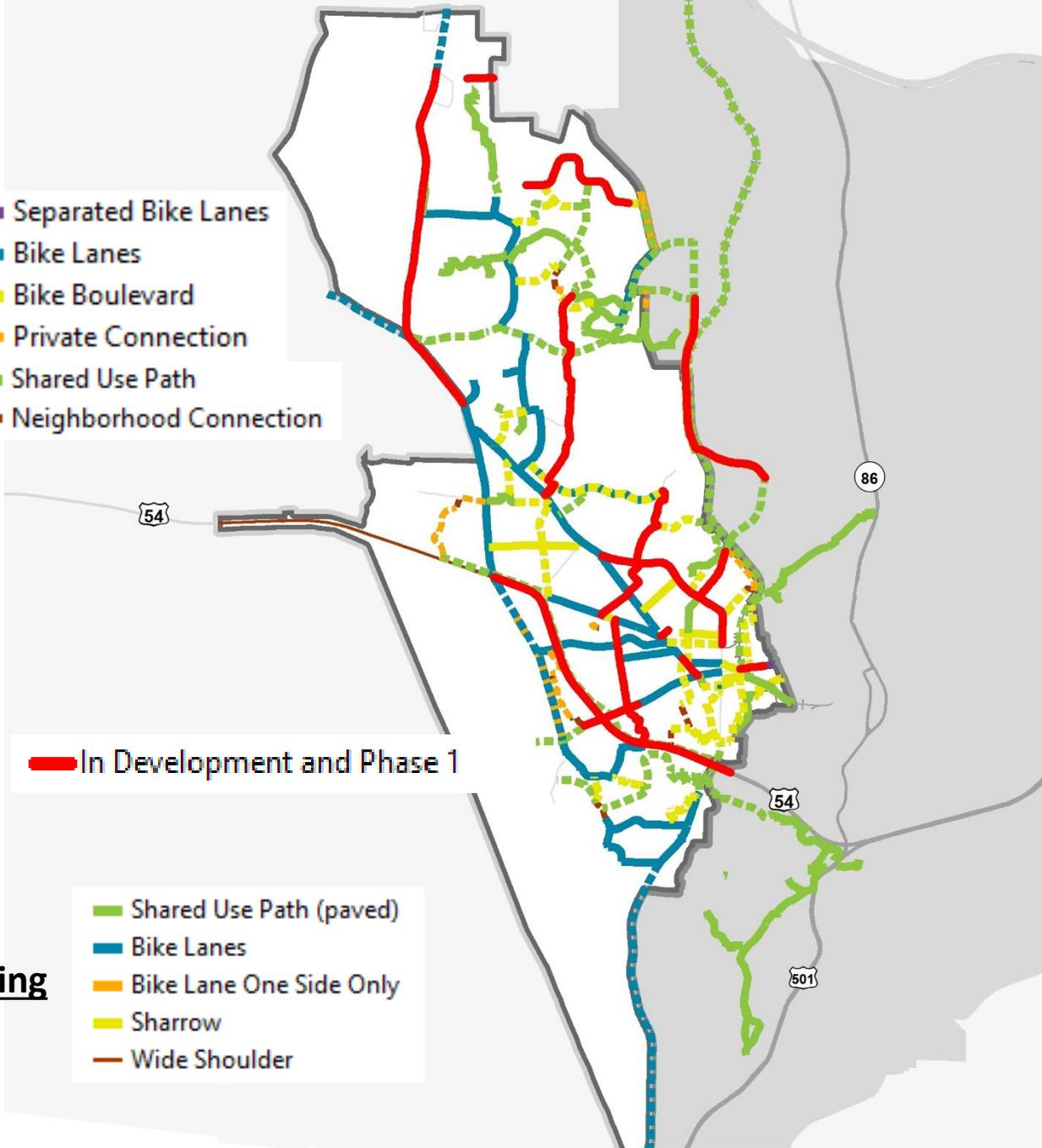
Proposed

- Separated Bike Lanes
- Bike Lanes
- Bike Boulevard
- Private Connection
- Shared Use Path
- Neighborhood Connection

In Development and Phase 1

Existing

- Shared Use Path (paved)
- Bike Lanes
- Bike Lane One Side Only
- Sharrow
- Wide Shoulder

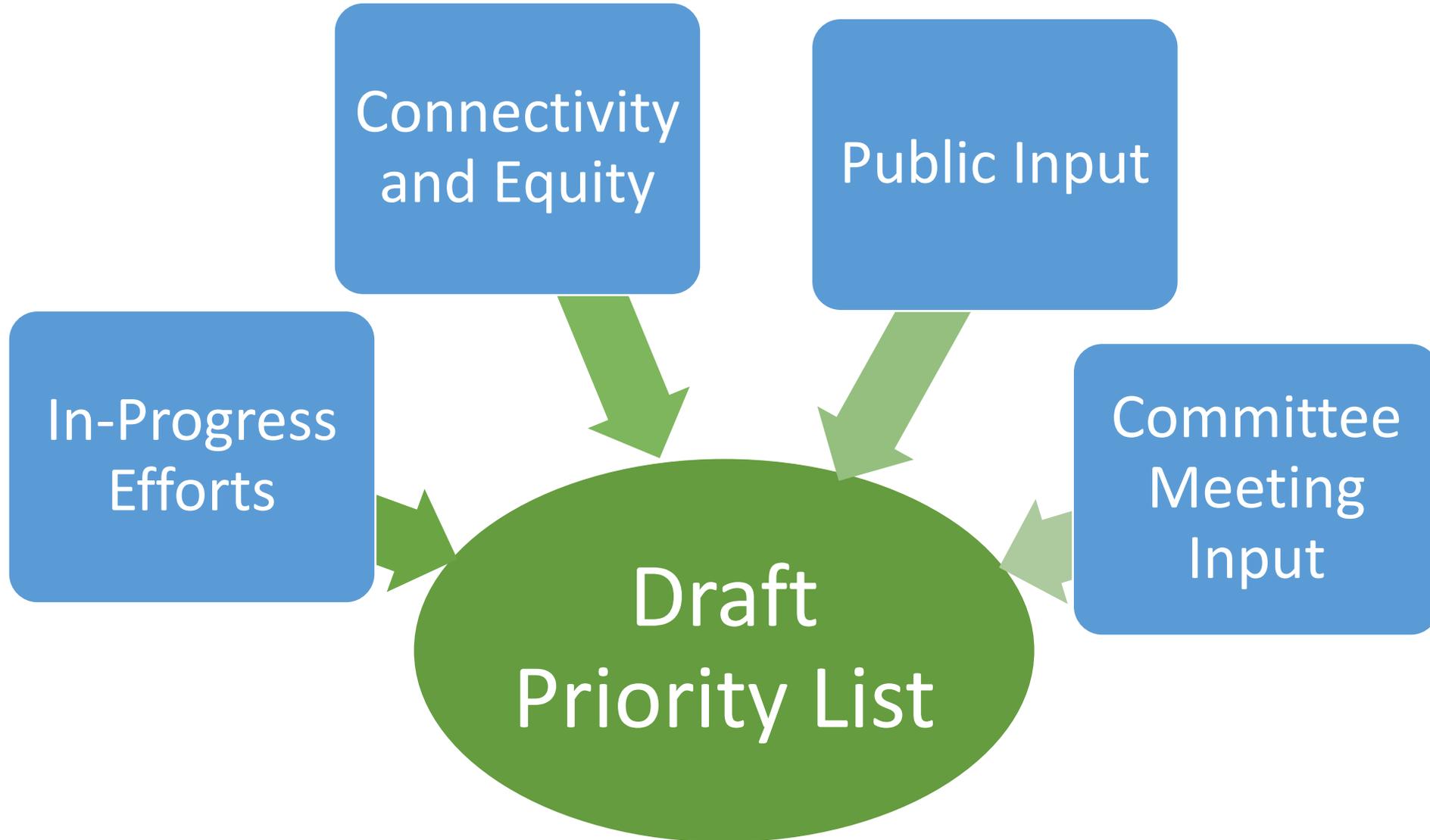


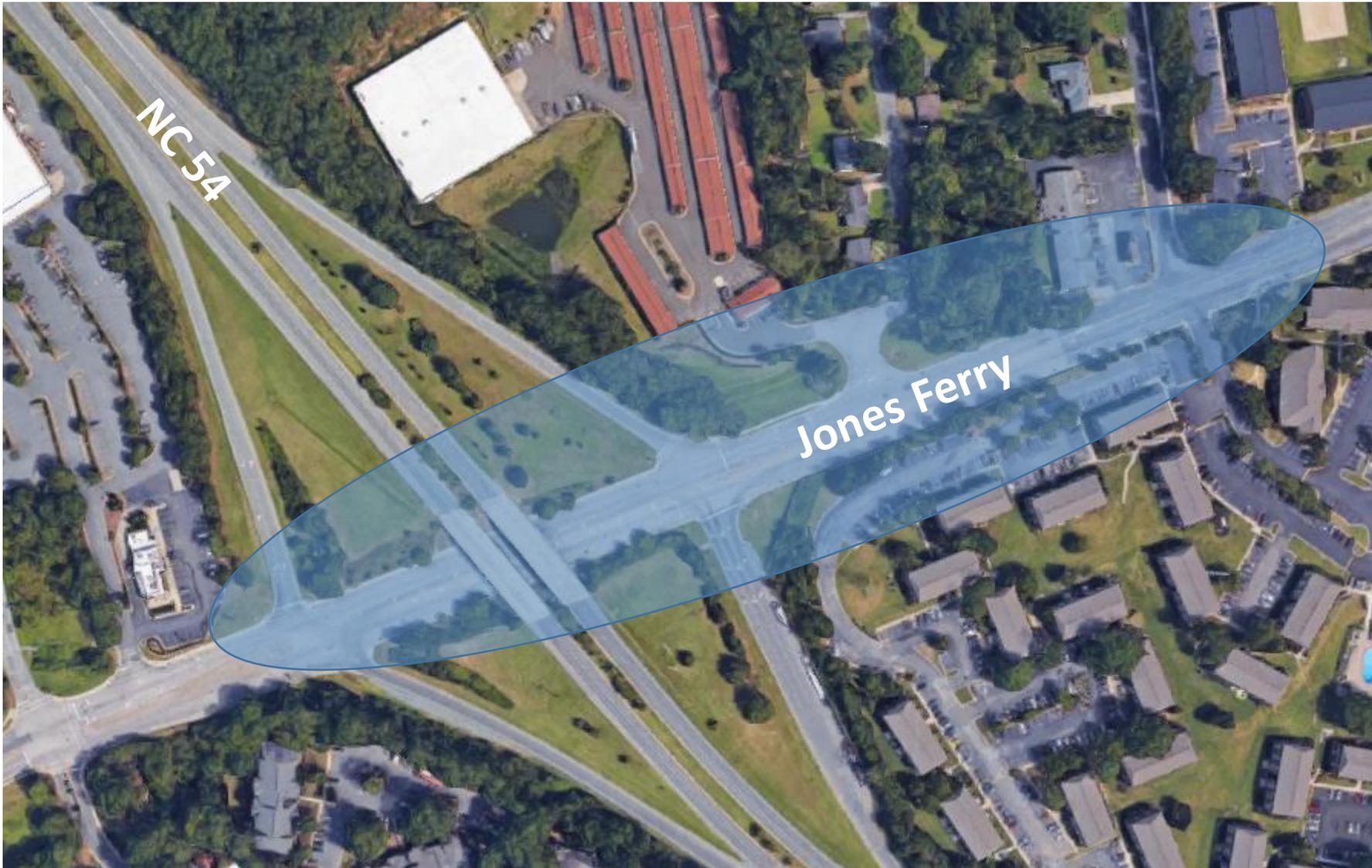
# Group Network Map Review



# DRAFT Priority Project IDEAS

# Basis of These Ideas





## Jones Ferry/NC 54

- Discussion with NCDOT about vertical delineators in existing buffer
- Green paint improvements
- Other intersection features



## W Main St (Jones Ferry to Weaver)

- Separated bike lanes or buffered bike lanes
- Traffic analysis needed for intersections
- Intersection improvements at Jones Ferry/Main and Main/Weaver

An aerial photograph of a residential neighborhood in Greensboro, North Carolina. A large, semi-transparent blue oval is overlaid on the image, highlighting a specific section of the street network. The text "N Greensboro" is written in white, bold font across the top of this highlighted area. The surrounding area shows a mix of greenery, houses, and some commercial buildings.

## N Greensboro

## N Greensboro St – Spot treatments

- Green paint at crossings
- Speed limit and enforcement
- Interaction with upcoming Estes project that includes N Greensboro/Estes intersection

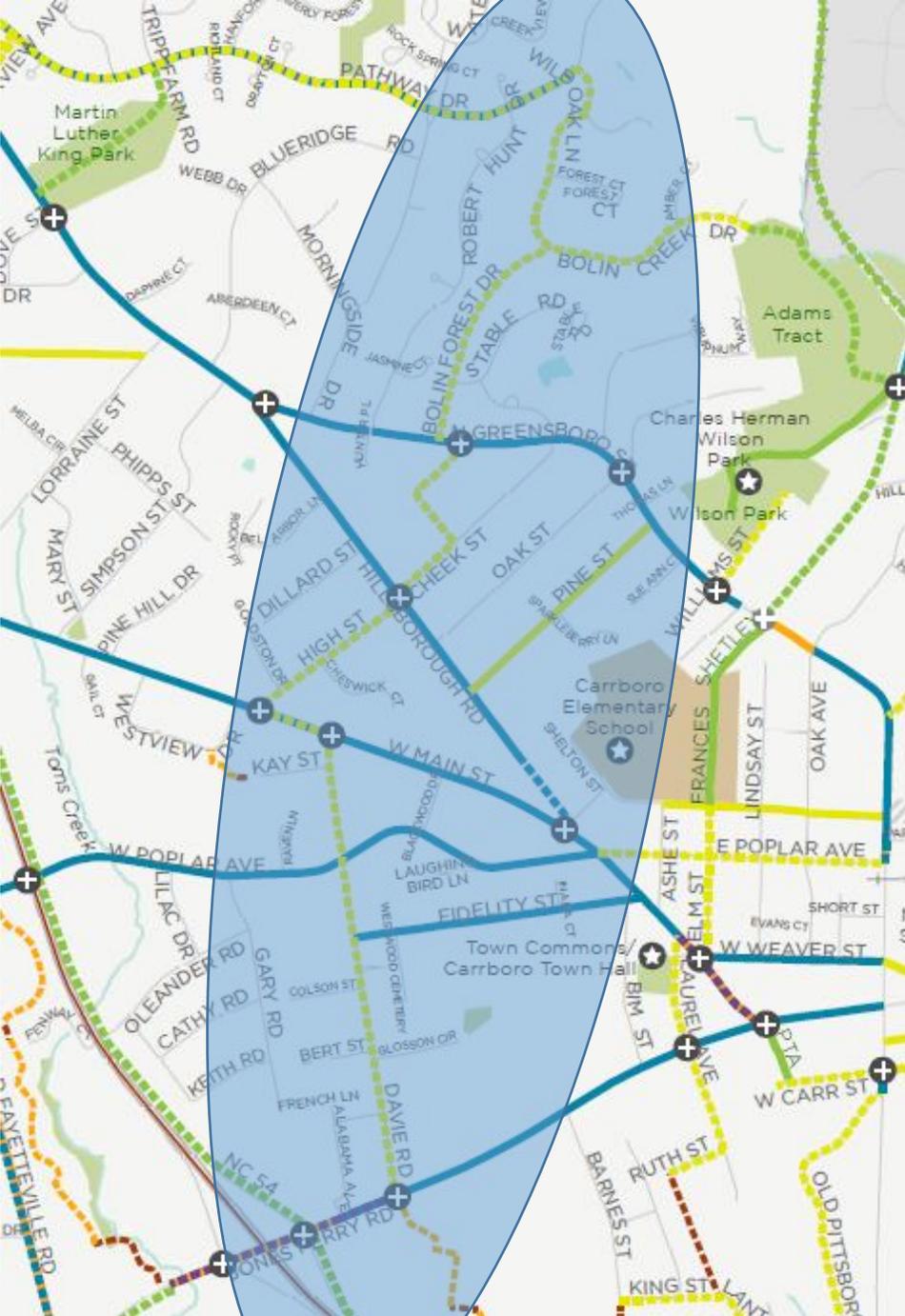




## Bike Blvd #1

- North-south corridor
- S Camellia Street/  
Claremont Drive  
/Cobblestone Drive
- Ultimately connecting  
two schools





## Bike Blvd #2

- North-south corridor
- Bolin Forest Drive /Cheek Street/  
High Street/Davie Road

# Group Discussion

