



# City of Raleigh

## Bicycle, Pedestrian & Greenway Updates

Jennifer Baldwin

Bicycle & Pedestrian Coordinator

City of Raleigh





# BikeRaleigh Program





# Bicycle Plan Implementation

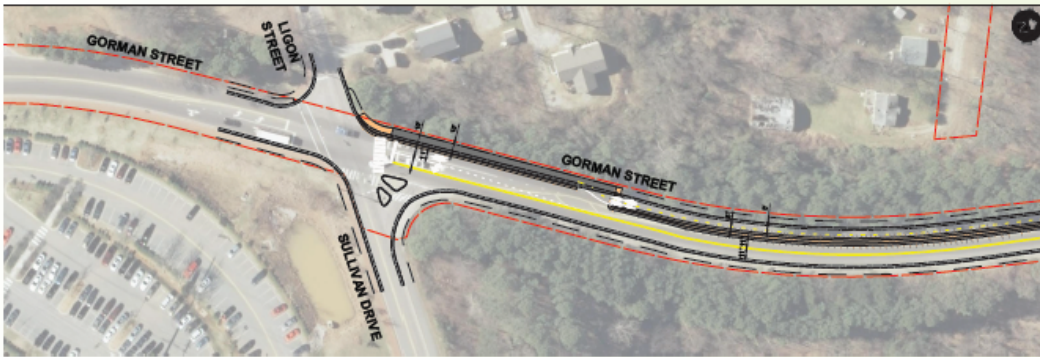
- FY2013 \$75 million Transportation Bond
  - Construction: 9 miles of bike lanes
  - Design: 5.5 miles of bike lanes.
- 2014 City and NCDOT Resurfacing Projects
  - NCDOT: 4 miles of bike lanes
  - City of Raleigh: 2.5 miles of bike lanes





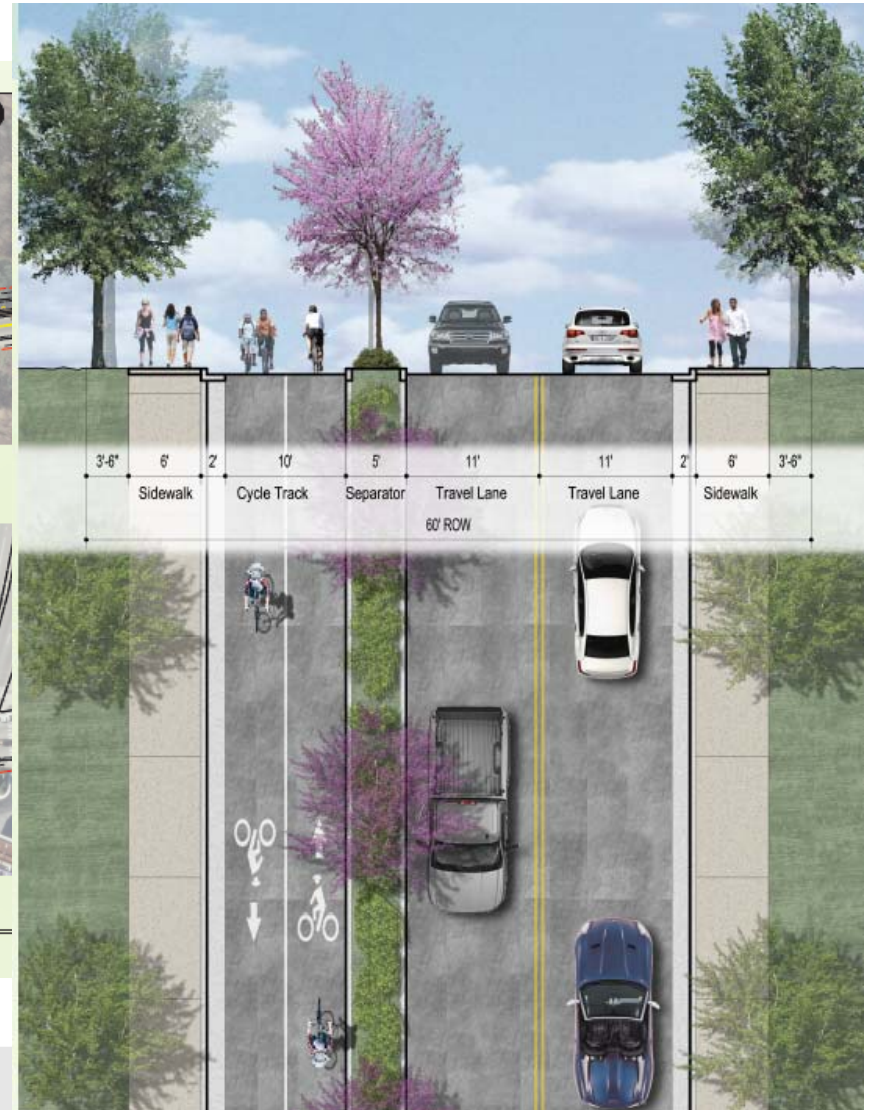
# First Cycle Track in Design!

## Gorman St: Sullivan Dr to Hillsborough St



Raleigh Bicycle Pavement Marking Design Project: Gorman Street Cycle Track Concept

Raleigh, North Carolina







# Bicycle Pavement Marking Design Project

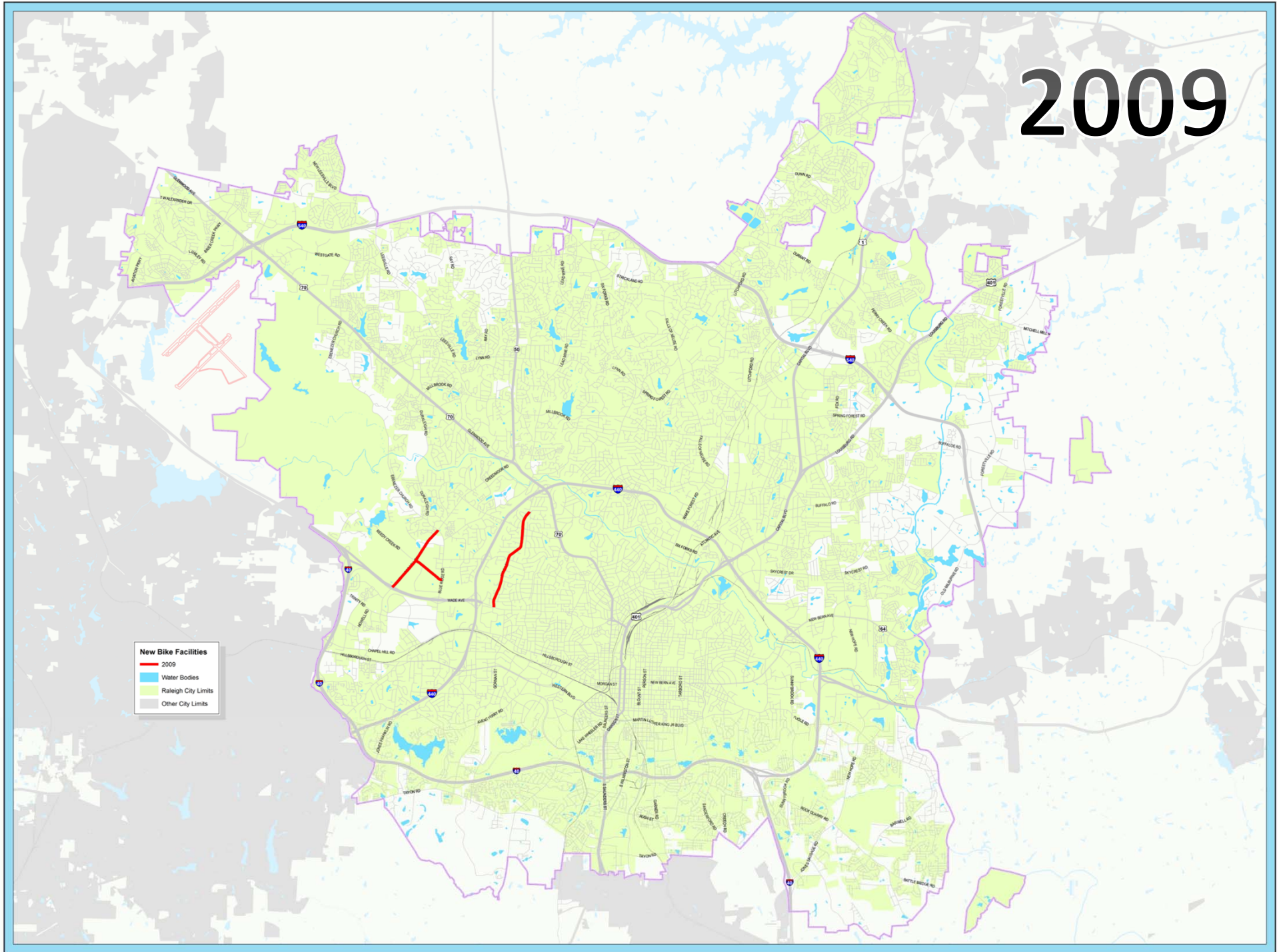
- Congestion Mitigation & Air Quality Improvement Grant, totaling \$1.1 million
  - Install at least 27 miles of on-road bicycle facilities
  - Projects selected from 2009 Bike Plan priorities
- Significant public outreach conducted
- Bike lanes vs. On-street parking debates
- First buffered bike lanes proposed
- 27 pavement marking plans available on-line for public review: [TINYURL.COM/BIKERALEIGH](http://TINYURL.COM/BIKERALEIGH)

*Epic project!*



# 2009

**New Bike Facilities**  
2009  
Water Bodies  
Raleigh City Limits  
Other City Limits





# 2010



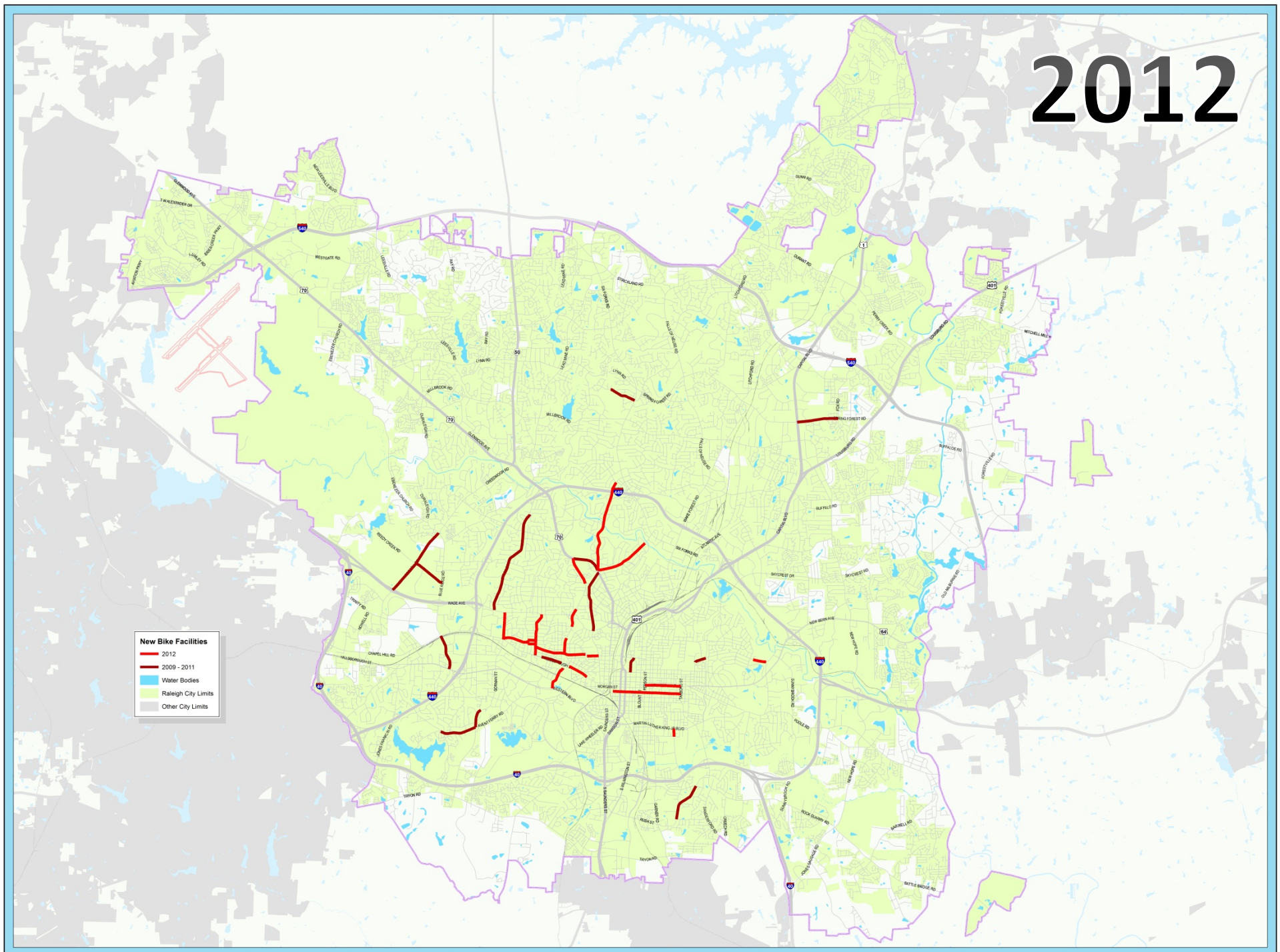


# 2011



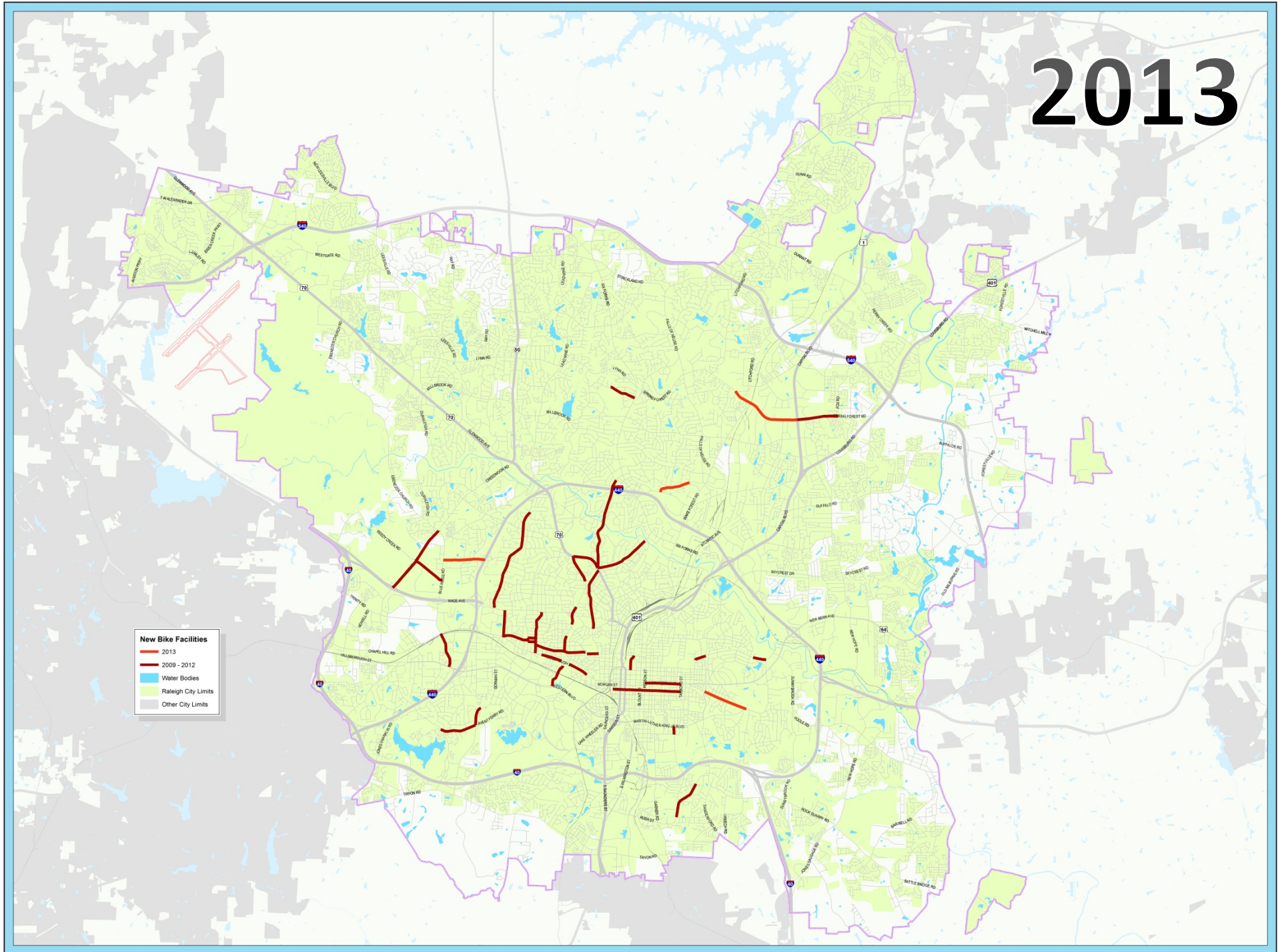


# 2012





# 2013





# 2015







# Poole Road: Road Diet







**Bike Lanes**

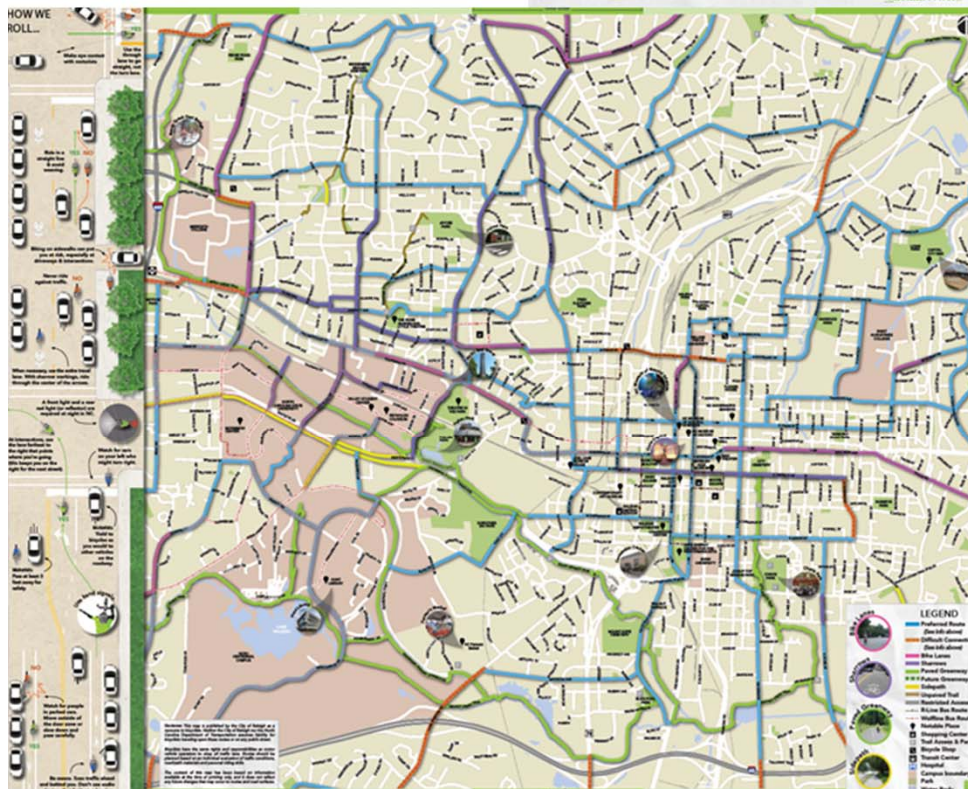
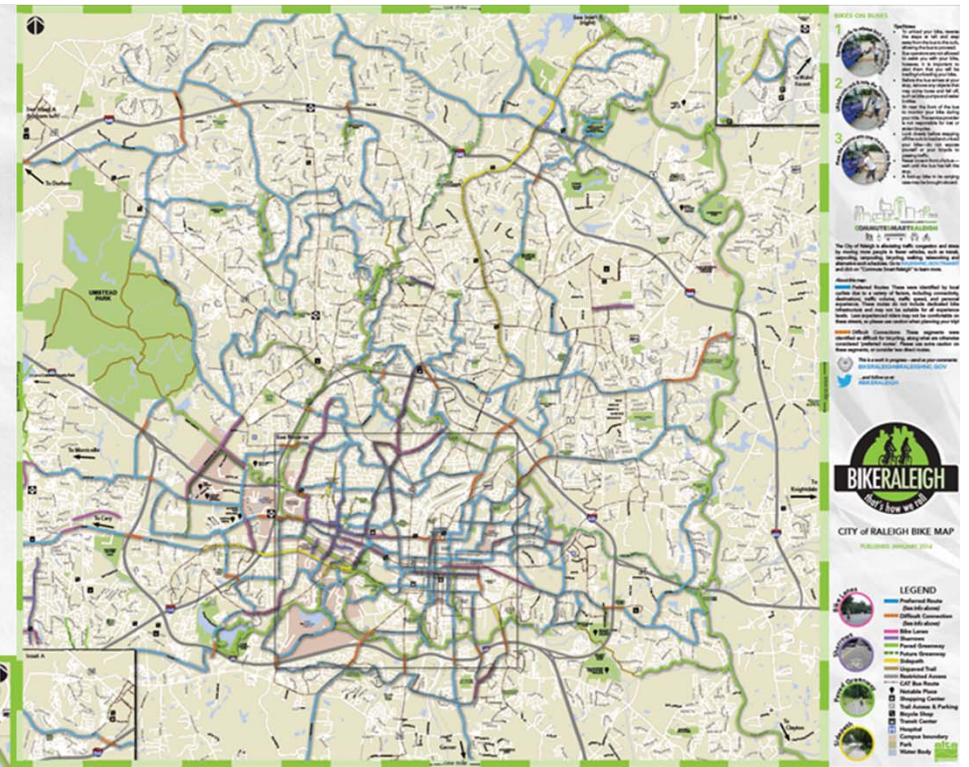
**Sharrows**

**Paved Greenway**

**Sidepath**

**LEGEND**

- Preferred Route (See info above)
- Difficult Connection (See info above)
- Bike Lanes
- Sharrows
- Paved Greenway
- Future Greenway
- Sidepath
- Unpaved Trail
- Restricted Access
- CAT Bus Route
- Notable Place
- Shopping Center
- Trail Access & Parking
- Bicycle Shop
- Transit Center
- Hospital
- Campus boundary
- Park
- Water Body



**CITY of RALEIGH BIKE MAP**

PUBLISHED JANUARY 2014





# Bicycle Parking

- Updated private development requirements
- Funding to install additional 75 this summer
- RaiseRaleigh Crowdfunding Artistic Bike Racks







# Hargett Street Bike Corral





# Lighten Up, Raleigh Campaign

**Lighten Up,  
Raleigh**

...and get your **SHINE** on!!

**Pedestrians:**  
Dress to be seen!  
Wear reflective clothing and carry a light.

**Cyclists:**  
Use a white headlight and red rear light  
—It's the Law!

Lighten Up, Raleigh campaign brought to you by:

Bring this coupon card to any of the participating Raleigh bike shops and receive...

**15% OFF**  
YOUR BIKE LIGHT PURCHASE

OFFER CAN'T BE COMBINED WITH OTHER OFFERS.  
THIS OFFER EXPIRES ON DECEMBER 31, 2013  
SOME RESTRICTIONS MAY APPLY

<b>All Star Bike Shop</b> Quail Corners Shopping Center, 5003-B Falls of Neuse Road Ridgewood Shopping Center, 1218 Ridge Rd	<b>Oak City Cycling Project</b> 212 E Franklin Street
<b>Bicycle Chain</b> 9000 Glenwood Ave	<b>Performance Bicycle</b> Sutton Square Shopping Center, 6325 Falls of Neuse Road
<b>Cycle Logic</b> 1211 Hillsborough Street	<b>TLC for Bikes</b> 8480 Honeycutt Rd, Suite #126
<b>Flythe Cyclery</b> 424 West Peace Street	<b>Trek Raleigh</b> 10911 Raven Ridge Rd
<b>Inside-Out-Sports</b> 8111 Creedmoor Rd	



**Lighten Up, Raleigh**

...and get your **SHINE** on!!





# Tune Up, Raleigh Campaign



## Tune Up, Raleigh

...and get ready to roll!!

Don't forget, your **ABC Quick Check**:

**A** is for air:

- Inflate tires to rated pressure
- Use a pressure gauge to insure proper pressure
- Check for damage to tire tread and sidewall

**B** is for brakes:

- Inspect pads for wear
- Check pad adjustment
- Check brake lever travel: at least 1 inch between bar and lever

**C** is for cranks & chain


- Check crank bolts
- Check your chain for wear or rust

**Quick** is for quick release

- Hubs need to be tight in the frame
- Quick release should point backwards

**Check** is for check over

- Take a quick ride to check if derailleurs and brakes are working properly
- Inspect the bike for loose or broken parts
- Always be aware of how your bike is handling during your ride!



Need help with your bike tune-up?

**15% OFF**  
your next bike maintenance service!

Bring this coupon card to any of the participating Raleigh bike shops and receive 15% off your next bike maintenance service!

Coupon expires May 31, 2014. Some restrictions may apply.

**Bicycle Chain**  
9000 Glenwood Ave

**Inside-Out-Sports**  
8111 Creedmoor Rd  
Grisdale Ln, Cary NC, 27513

**Oak City Cycling Project**  
212 E Franklin Street

**TLC for Bikes**  
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**Trek Raleigh**  
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# events

April 1st - May 31st

## NCSU Commute Challenge

NC State University

We're celebrating Bike to Work Month at NCSU by challenging faculty, staff, and students to try an alternative commute! The more trips you track, the more points you'll earn, which will give you more entries into our prize drawing! Go to [go.ncsu.edu/commute](http://go.ncsu.edu/commute) for more information.

April 1st - May 31st

## Tune Up, Raleigh...and get ready to roll!

It's been a long winter and perfect cycling weather is finally here! Be sure to have your bike inspected before you start logging the miles. The BikeRaleigh program has partnered with local bike shops to offer a 15% discount on bike tune-up services. Coupon valid at participating bike shops only. More info available at [www.raleighnc.gov](http://www.raleighnc.gov)

Tuesday, May 6 • 6:00pm

## Benelux Café Bike Ride

Benelux Café in City Market,  
309 Blake Street, Raleigh

Join other area cyclists on the Benelux Café Ride. This hour-long ride is held every Tuesday, every month. Raleigh's Bicycle and Pedestrian Commission is partnering with the ride organizers to promote May as National Bike Month. Riders of all types who want to experience the fun of riding in a group are welcome.

Wednesday, May 7

## National Bike to School Day

National Bike to School Day provides an opportunity for schools across the country to join together to celebrate and to build off of the energy of National Bike Month.

Friday, May 9 and Friday May 23 • 9:00am

## City of Raleigh Wellness Rides!

Nash Square Park, 200 W Hargett Street

The City of Raleigh will host a short bike ride to encourage City employees to celebrate National Bike Month. The ride is also a perfect way to participate in the Go the Extra Mile Wellness Challenge. Bike safety and maintenance materials will be available.

Monday, May 12 • 8:00am-9:30am

## Capital City Bike Ride

sponsored by Red Hat

Chavis Park, 505 MLK Jr. Boulevard

Support cycling in Raleigh! Ride and mingle with elected officials, Red Hat employees and fellow bicycle advocates. Ride is approximately 5 miles long and will include on-road and greenway riding. Start at Chavis Park and finish at the State Capitol. RSVP at [tinyurl.com/capitalcityride](http://tinyurl.com/capitalcityride).

Wednesday, May 14 • 5:30pm - 7:30pm

## Commute Smart Raleigh Social & DLA Mixer

518 West Jones Street

Ride your bike to the Downtown Living Advocates Mixer at 518 West Italian Café for a special CommuteSmartRaleigh social. Get to know your neighbors, learn about Zipcar options, and chat with City staff about different commute choices. Raffle drawing sponsored by Live Work Play, LLC.

Thursday, May 15 • 5:15pm

## NCSU Faculty & Staff Ride

Carmichael Recreation Center Boat Bay

Join fellow NC State University faculty and staff members on a campus bike ride to celebrate Bike to Work Month! For more information, go to [www.ncsu.edu/wolftrails](http://www.ncsu.edu/wolftrails)

Saturday, May 17 • 9:30am - 1:30pm

## Art to Heart Greenway Ride

Ride Start: NC Museum of Art, 2110 Blue Ridge Rd  
Social Location: Dos Taquitos, 410 Glenwood Ave

Join us for a ribbon cutting celebration of Art to Heart Greenway and experience how easy it is to bike from the NC Museum of Art to the heart of downtown! Ride will leave the Art Museum at 10am and includes a combination of on-road and greenway trails for a total of 6 miles. Event is free to attend and all experience levels are encouraged to participate. After the ride, join us at Dos Taquitos for a social from Noon to 1:30pm. Raffle drawing sponsored by DECO Raleigh

Saturday, May 24 • 9:30am

## Ride the Neuse!

Anderson Point Park, 20 Anderson Point Drive

Explore the Neuse River Greenway and join us for a guided 30-mile ride! Ride will finish around lunchtime.

Wednesday, May 28 • 10am to 2pm

## Bike Day at the Downtown Farmers Market!

City Plaza on Fayetteville Street

Farmers' market shoppers, families and bike enthusiasts are encouraged to ride their bike to the market and celebrate bike to work week. There will be a variety of bike-related activities and information about biking in Raleigh.

Saturday, June 7 • 9:00am to Noon

## BikeSmart on National Trail Day

Capital Greenway System

Get out and celebrate National Trail Day in Raleigh and enjoy our outstanding Capital Greenway System.

For more information, go to [tinyurl.com/capitalgreenways](http://tinyurl.com/capitalgreenways)

## Summer Cycle Series

Join the Adventure Program Staff from May to August as they ride a different section of the Greenway. Staff will serve as ride leaders. There will be an "End of Summer" award ceremony and cookout for friends and family of everyone who participated. To ride the whole series you must register for all sessions. Bikes are not provided and helmets are required. Shuttle services available at end of each ride. Sign up today, space is limited. Cost is \$12 for resident, \$15 non-resident. Ages 12 years and up. Register online using RecLink or by contacting the Adventure Office at 919-996-6855.

Summer Cycle Series Dates:

May 3, May 10 and May 17

June 7 and June 14

July 12 and July 19

August 2



For more information email us at:

[BikeRaleigh@raleighnc.gov](mailto:BikeRaleigh@raleighnc.gov)



Follow us at:

#BikeRaleigh

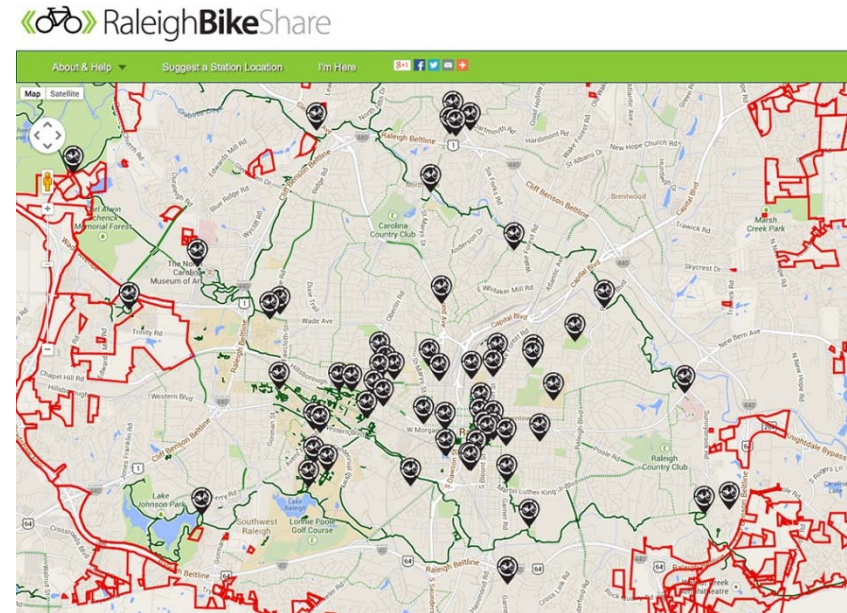
We encourage participants to wear helmets and practice safe cycling during all events. For safe cycling tips and best practices, go to [www.ncdot.gov/bikeped/bicycle/types/default.html](http://www.ncdot.gov/bikeped/bicycle/types/default.html)





# Bike Share Feasibility Study & Implementation Plan

- Phase One: Determine the feasibility for implementing a bike share system in Raleigh
- Phase Two: Provide an implementation plan for a bike share system in Raleigh



[www.bikeraleigh.org/bikeshare](http://www.bikeraleigh.org/bikeshare)





# #BikeRaleigh Forum

- Invited the public to share ideas on the future of the BikeRaleigh program
  - 2014 Bike Plan Update Pre-Scoping Meeting
- Interactive breakout sessions:
  - Bike Share
  - Greenway Access
  - Funding
  - Bike Routes & Signage
  - User Preference & Facility Types



Photo Courtesy of Oaks & Spokes:




# 2014 Bicycle Plan Update

- Update 2009 Comprehensive Bicycle Plan
  - Understand changing demographics & priorities
  - Research design standards and best practices
  - Identify priority routes and corridors
  - Develop funding strategies





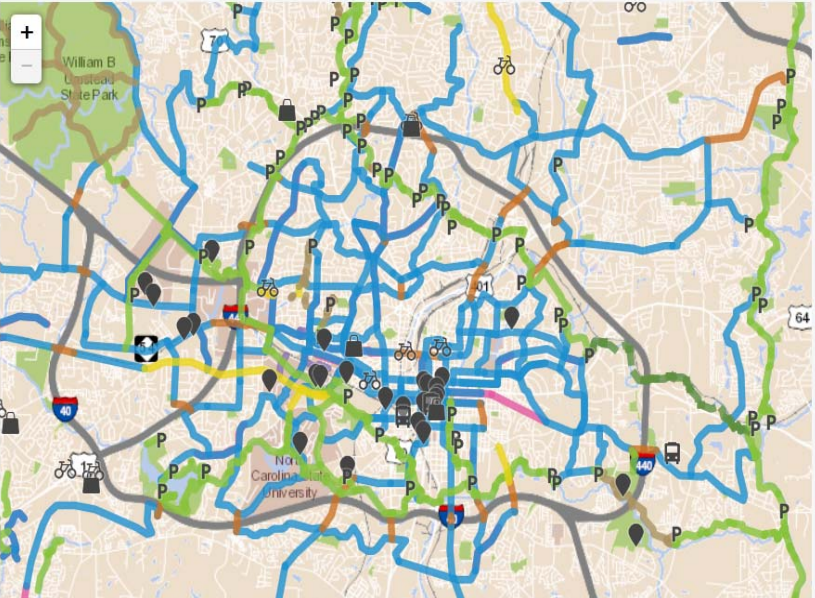
# Sneak Peak: BikeRaleigh Blog


[Home](#) [Blog](#) [Maps](#) [BikeShare](#)

the most recent interactive maps developed with the most updated data about bike lanes and greenways.

## ■ Interactive BikeRaleigh Map

Below is an interactive version of our popular BikeRaleigh Map. The map highlights existing on-road bicycle facilities, CAT routes, the greenway system, and popular destinations. Also featured, is a system of preferred routes that are intended to help cyclists plan their trips. These routes were selected based on cyclist feedback, existing conditions, destinations, and connectivity. These routes may not be suitable for all experience levels, so please use caution when planning your trip.




[Home](#) [Blog](#) [Maps](#) [BikeShare](#) [Contacts](#) [LOGOUT](#)

## WELCOME THE CITY OF RALEIGH BIKE BLOG

The BikeRaleigh Program encourages biking in Raleigh through on-road facility design, cycling safety and education promotion, and encouragement events. Our primary goal is to promote bicycle use as a viable, attractive, non-polluting form of transportation and assure safe and convenient access to all areas of the City.

### What is TDM?

Written by




Every day, traffic congestion drains commuters of energy while growing commuting expenses reduces their incomes, negatively impacting their outlook on work. Employers can encourage and offer alternatives to employees to change their commuting habits, especially when they are looking to make lifestyle changes to help

### History of Raleigh's Bicycle Program

Written by



I began my tenure with the City of Raleigh Department of Transportation 15 years ago as a transportation engineer. The department was headed up by Jimmie Beckom, and I reported to the legendary Ed Johnson. My purview was transportation planning, including streets sidewalks and bicycles. At that




## RaleighBikeShare

The City of Raleigh is excited to begin the process of exploring the feasibility of bringing a bike share system to the Capital City. While we are still in the exploratory phase of bike share, we would like to hear from you. Please use this website to learn more about the project, about bike share and about the possibilities that bike share represents for Raleigh.

## GET INVOLVED!

To make your voice heard or to make a suggestion about possible locations for bikeshare stations please click on the following links:





# WalkRaleigh Program





# Pedestrian Plan Implementation

- FY2011 \$40 Million Transportation Bond
  - New sidewalk construction: \$4.75 million
    - Approximately 15 miles of new sidewalk
  - Citizen petition program: \$3 million
  - Sidewalk repair reserve: \$4 million
- FY2013 \$75 Million Transportation Bond
  - Construction: 18 miles of sidewalk
  - Design: 11 miles of sidewalk
- \$11 million of unfunded sidewalk only projects







# First HAWK Signals Installed

- Two new HAWK (**H**igh Intensity **A**ctivated cross**W**alk) installed as part of the Falls of Neuse Road Widening Project
  - between Coolmore Drive and Whittington Drive
  - at Falls Dam Road





# LPI's Approved on Fayetteville St

- Fayetteville St pedestrian signals will operate with an LPI (**L**eading **P**edestrian **I**nterval) starting early Summer 2014
- Initiative led by the BPAC Pedestrian Planning Committee





# New Crosswalk Marking Standard

- Pedestrian Crosswalk Marking Standard Operating Procedure adopted October 2013
  - High Visibility Markings at Signalized Locations
  - High Visibility Markings at Midblock Locations
  - Parallel Bar Markings at Stop Controlled Locations







# Sidewalk Projects in Design

- Bloodworth Street
- Blount Street
- Capital Boulevard
- Chapanoke Road
- Clark Avenue
- Crabtree Boulevard
- Green Road
- Hoke Street
- Maywood Avenue
- East Millbrook Road
- New Hope Road
- New Hope Church Road
- Person Street
- Poole Road
- Raleigh Boulevard
- Rock Quarry Road
- Six Forks Road
- Spring Forest Road
- Swift Drive (Petition)
- West Millbrook Road
- Wade Avenue
- Wake Forest Road





# Recently Completed Sidewalk Projects

- Creedmoor Road – 4 miles of new sidewalks
- Lake Wheeler Road
- Lake Boone Trail
- New Hope Church Road





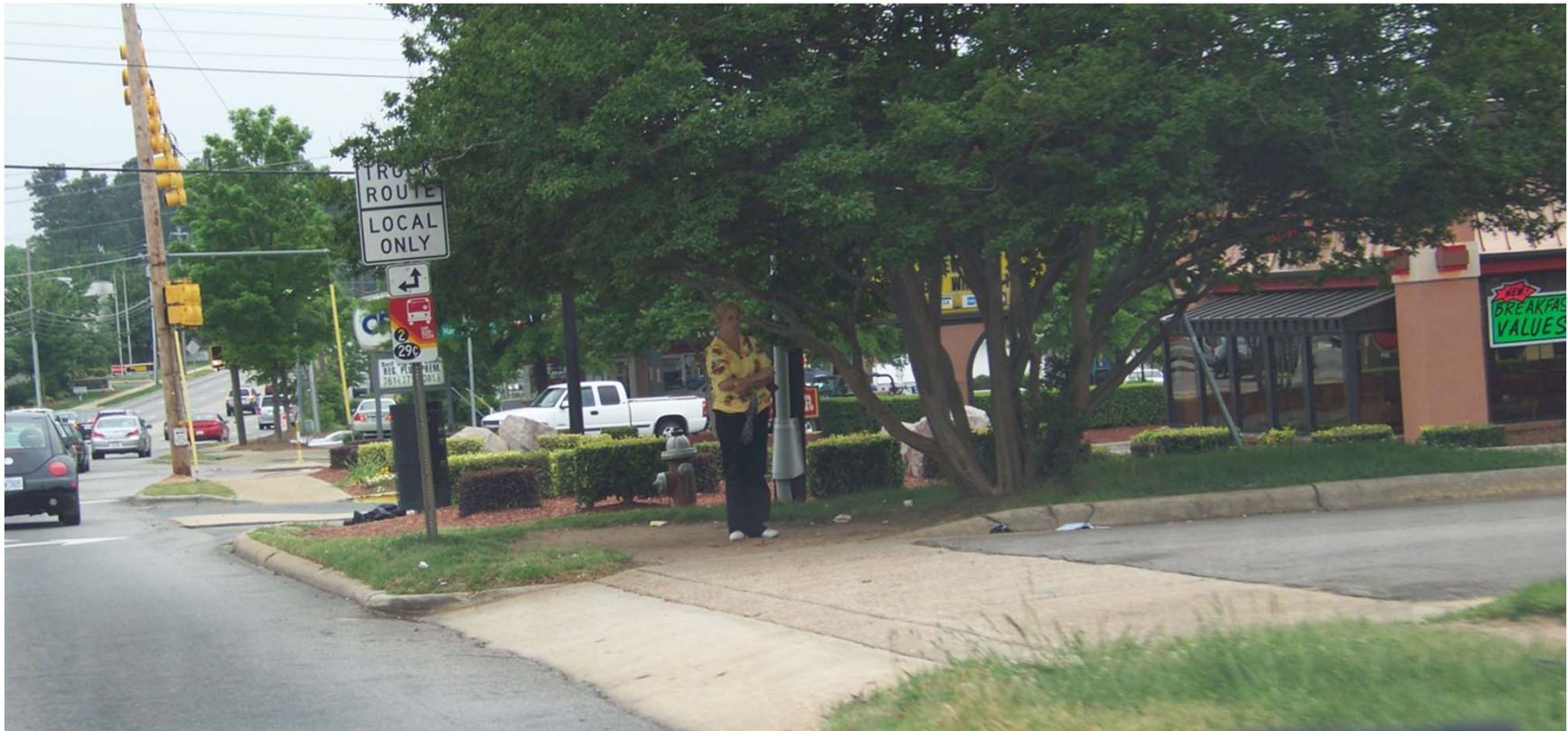
# I-40 Bridge Pedestrian Retrofits







# Pedestrian Access to Transit





# WalkRaleigh Signage

- International attention from 2012 grassroots effort
- Tapped into pent-up demand for walkable places
- Active BPAC item to explore implementation Citywide

[www.walkyourcity.org](http://www.walkyourcity.org)





# Capital Area Greenway System





- Capital Area Greenway System**

**Legend:**

  - Greenway Parking Address:**
    - 1 Greenway Parking Address
    - 2 Greenway Parking Address
    - 3 Greenway Parking Address
    - 4 Greenway Parking Address
    - 5 Greenway Parking Address
    - 6 Greenway Parking Address
    - 7 Greenway Parking Address
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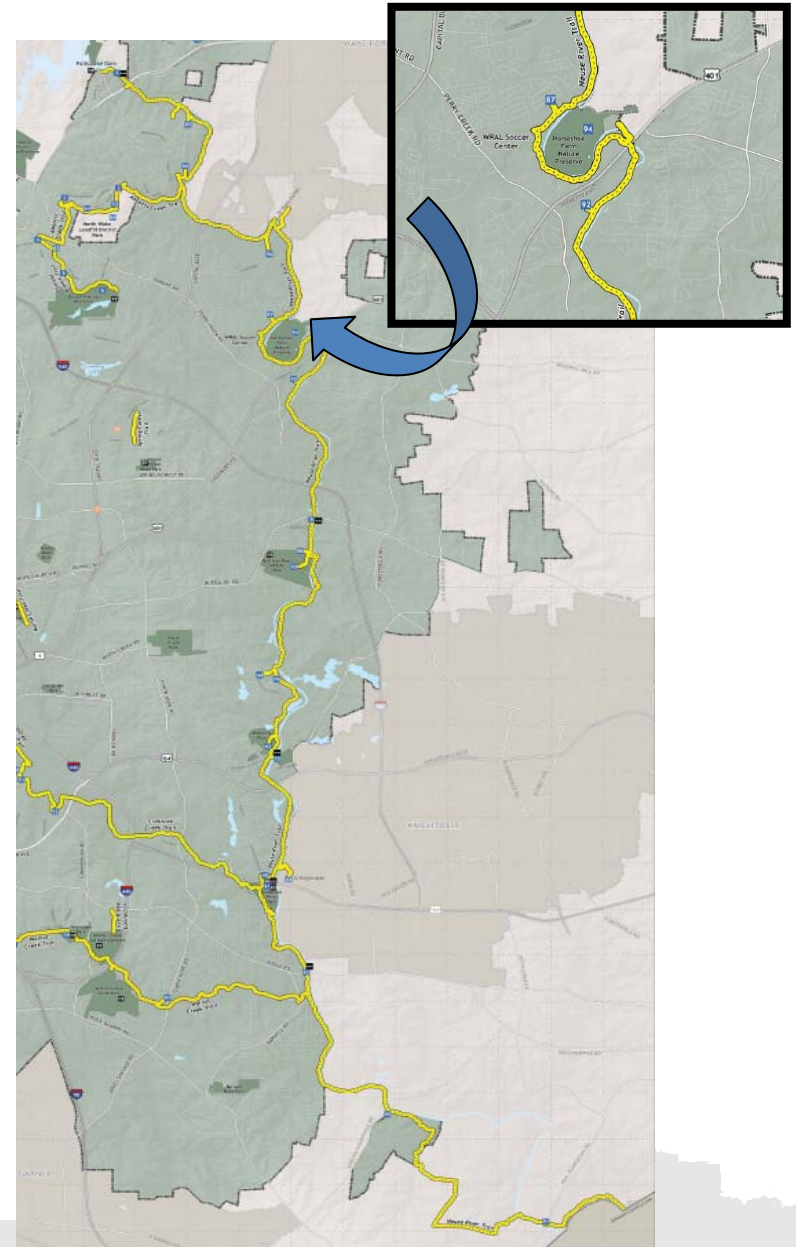
**Regional Trail Systems:**

  - 1 Regional Trail Systems
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  - 23 Regional Trail Systems



# Neuse River Trail

- 27.5 Miles from Falls Lake to Johnston County
  - .8 Miles Horseshoe Bend to be completed Fall 2014
- 7 bridges – includes two suspension bridges
- Connects to Wake Forest, Knightdale, Johnston County
- Segment of Mountains to Sea Trail and East Coast Greenway







# Neuse River Trail – Suspension bridge



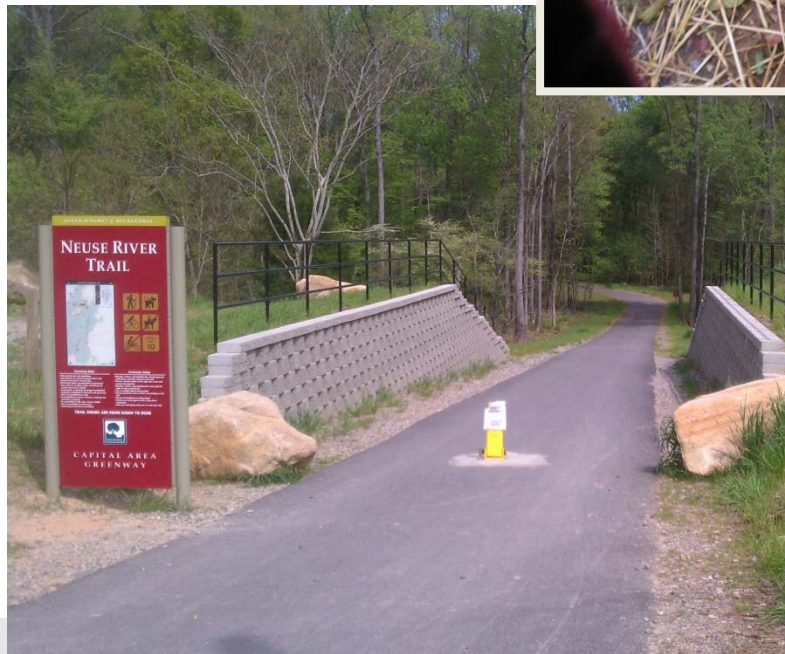
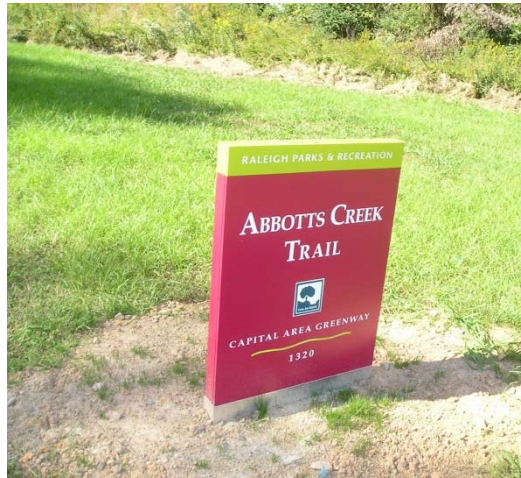
The City of Raleigh Parks and Recreation Department  
invites you to celebrate the dedication of the 28 mile

Neuse River Trail  
*bridging communities*





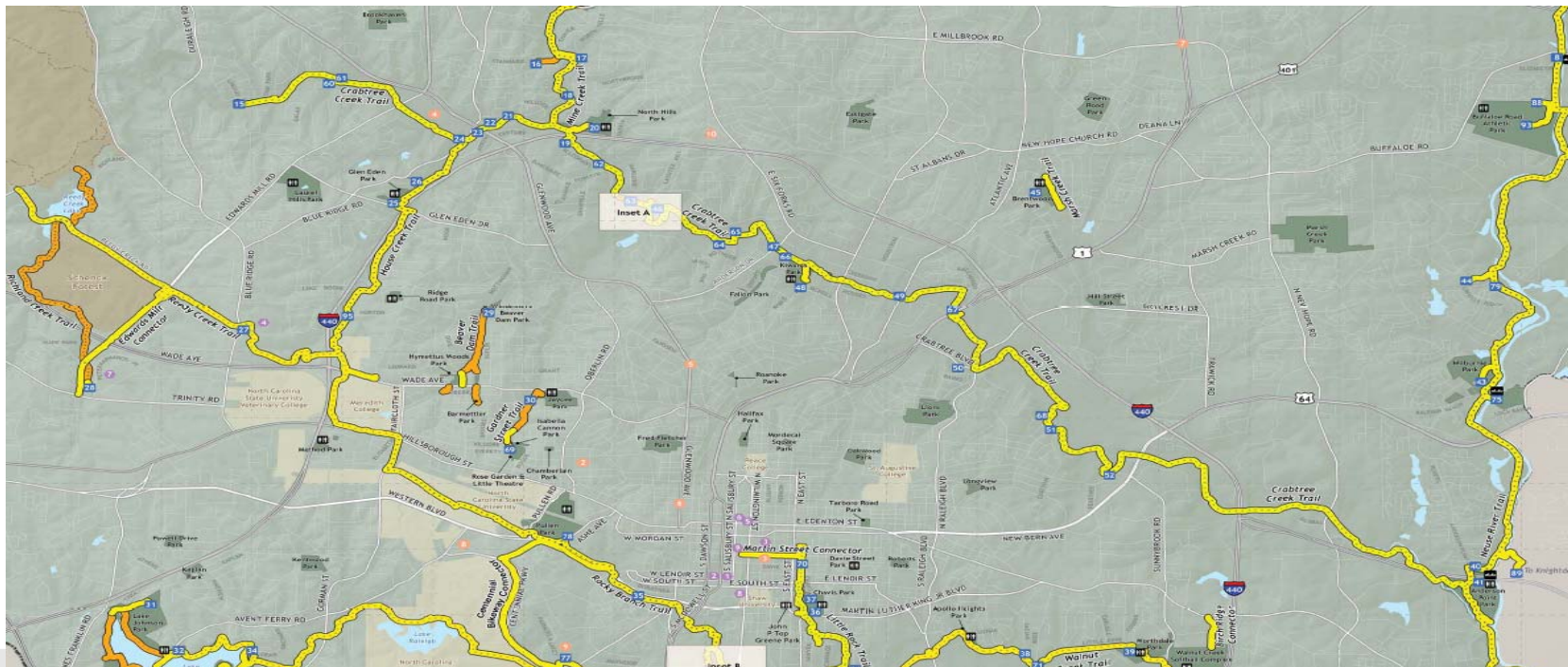
# New Wayfinding Signage





# Crabtree Creek Trail

- 14.6 Miles (4.1 Miles under construction)
- Connects to Crabtree Valley Mall, Kiwanis Park, Historic Lassiter Mill and North Hills Park
- Connects to House Creek Trail
- Future connection to Umstead State Park and Neuse River Trail



# Walnut Creek Trail

- 15.6 Miles (4.3 Miles Recently Completed)
- Connects to Walnut Creek Wetland Center, Walnut Creek Amphitheater and Softball Complex, NC Farmers Market, Centennial Campus, Lake Johnson
- Connects to Neuse River Trail, Rocky Branch Trail, Little Rock Trail, Lake Johnson Loops
- Segment of East Coast Greenway

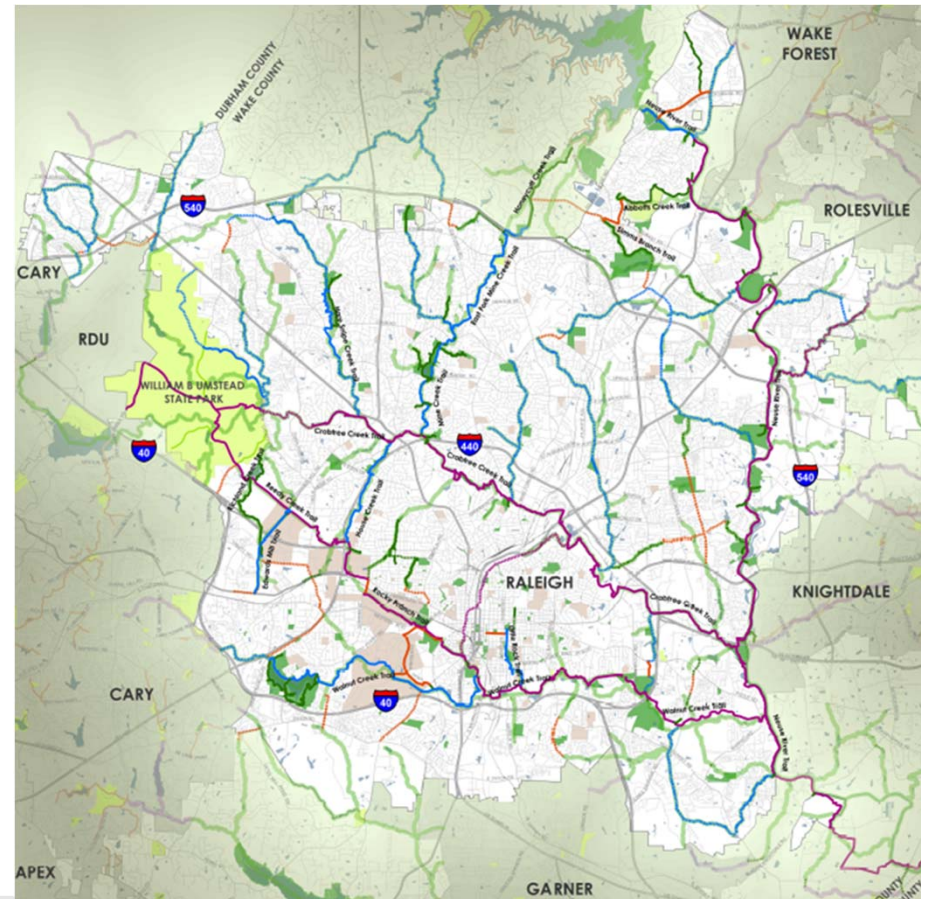






# Greenway Trail Planning & Design Guide

- Currently in Development
- Introduces new Greenway Classifications
  - Cross City Greenway Trails
  - Greenway Collector Trails
  - Neighborhood Greenway Trails
  - Greenway Connectors
- Public Review June 2014
  - Parks Recreation and Greenway Advisory Board
  - Bicycle & Pedestrian Advisory Commission





Questions?

