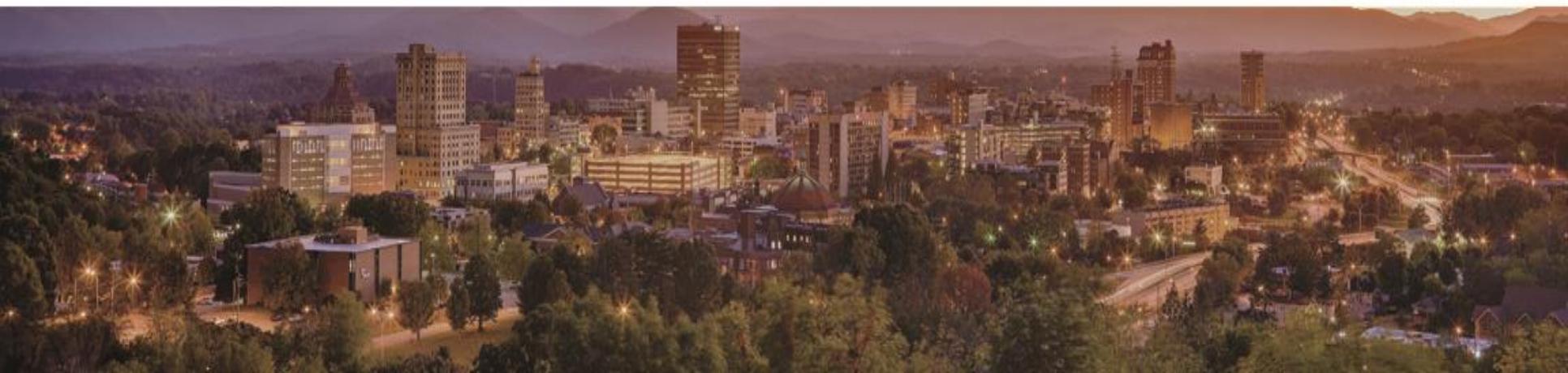




April 2016

*NCDOT – Trail/Greenway
Planning and Development*

Ed Johnson





WalkBikeNC is your guide to
**WALKING & BICYCLING
in NORTH CAROLINA**
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WALKBIKENC

Learn about North Carolina's Statewide
Pedestrian and Bicycling Plan



RESOURCES

Find Bicycling and Walking Resources



BIKING NC

Map Your Bike Ride Across North Carolina

NCDOT-DBPT Role

Technical support

Prioritize projects for federal funding

Collect user data

Support Complete Streets policy

Promote regional and statewide systems

Local Government Responsibilities

Facilitate public involvement

Local funding for projects

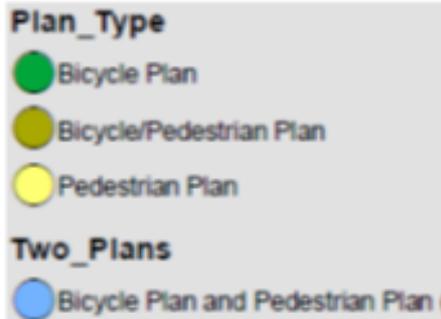
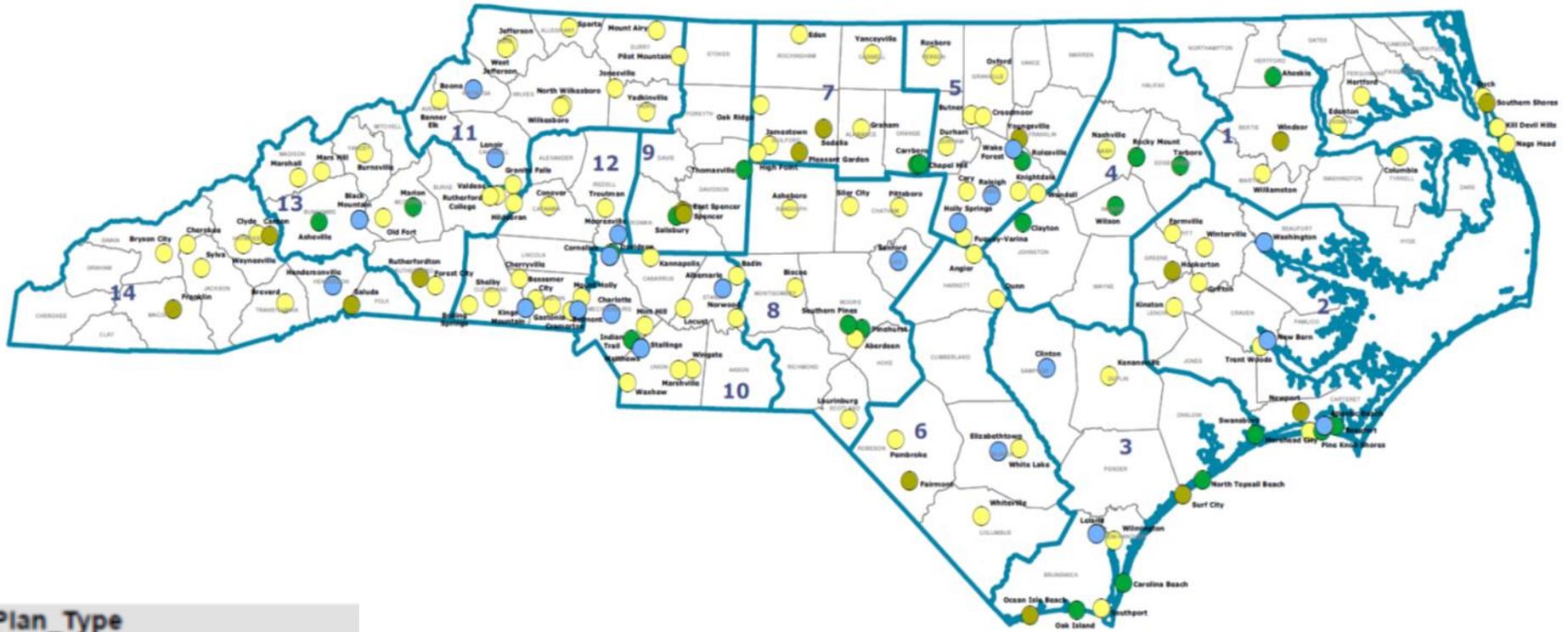
Wayfinding and local mapping

Update plans and submit needs

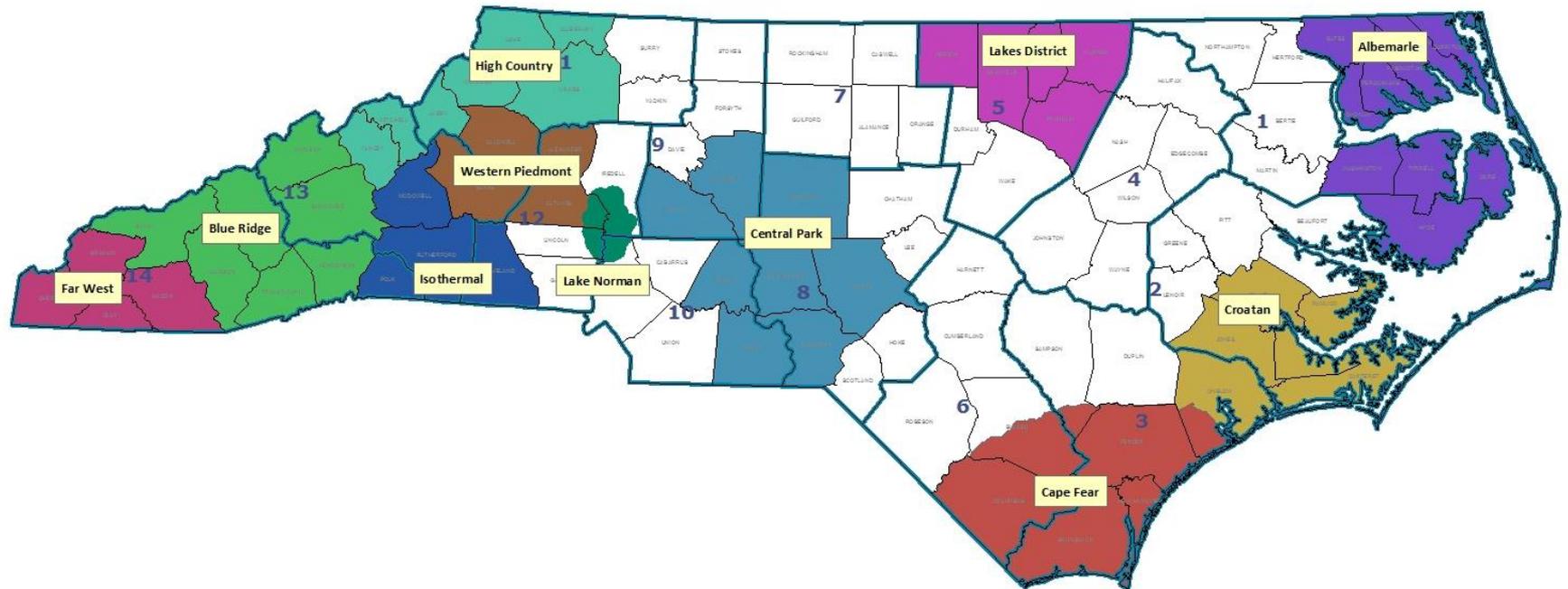
Maintain facilities



Bicycle and Pedestrian Plans



Regional Bicycle Plans



Conceptual Design Studies



Kinston Promenade Phase 1 Project Summary

Feasibility Study	Complete
NCDOT Agreement	Signed
PART-F Grant	Submitted
NCDOT Funding	\$450,000
Construction Estimate	\$422,000-\$440,000
Schedule	
• Construction Drawing Design	Scoping Now
• Design Complete	April 2015
• Advertise for Construction	May 2015
• Construction	4-6 Months

NCDOT Project Funding

Available NCDOT funding sources for bike/pedestrian projects:

- Federal – Independent SPOT projects
- Various sources – Complete Street accommodations



STI Requirements for Bike-Ped SPOT Projects

- Federal funding typically requires 20% non-federal match
- State law prohibits state match for bicycle and pedestrian projects (except for Powell Bill)
- Limited number of project submittals
- Minimum project cost requirement – \$100,000
- Plan adoption and division coordination are initial project screening questions



Types of Bike-Ped SPOT Projects

- Bike lane (on NCDOT or local street)
- Multi-use path/greenway
- Paved shoulder
- Sidewalk
- Pedestrian signals/curb ramps
- Other streetscape/pedestrian improvements

*Does not include unpaved trails



Bicycle and Pedestrian – SPOT 4.0 Criteria

Criteria	Weight
Safety	15%
Access	10%
Demand	10%
Connectivity	10%
Cost-Effectiveness	5%
Local Input Points	50%



Pedestrian and Bicycle Infrastructure Network: PBIN (GIS Data Collection)



<http://www.ncdot.gov/bikeped/researchdata/>



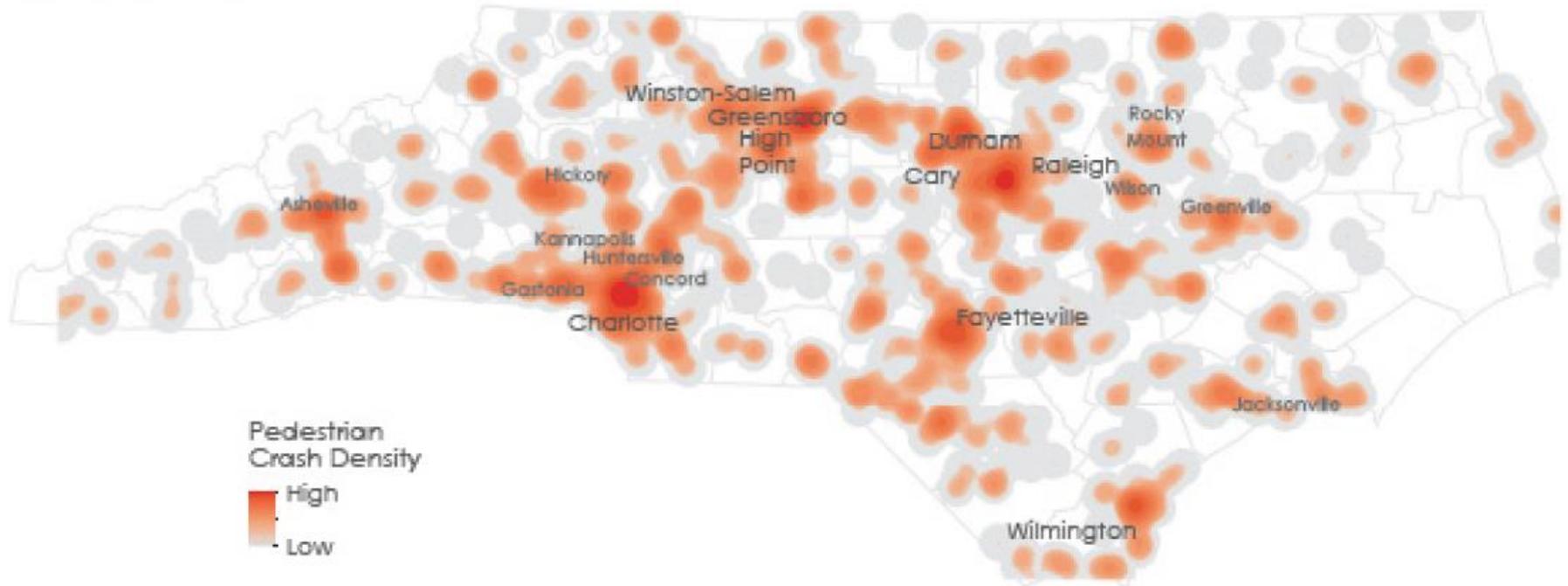
Bicycle and Pedestrian Traffic Counts



Crash Data Reporting and Geocoding

2010 Pedestrian and Bicycle Crash Density Maps, NC

Source: 2010 NCDOT Crash Data*



Incidental Accommodations – Complete Streets

- Bicycle and pedestrian accommodations can be incorporated into roadway or bridge projects per NCDOT policies
- Local governments should request accommodation as part of project submittal or scoping process
- Sidewalks are common accommodation – require local government cost participation and maintenance agreement
- Other separated bike/pedestrian accommodations are becoming more common (i.e. multi use paths)
- Bike lanes, crosswalks, and wide shoulders may be maintained as part of roadway system
- Greenway under-bridge crossings recently addressed via guidance
- ADA accommodations incorporated into many highway activities per specific guidance



Economic Impacts of Shared Use Paths

2014 NC State University study of American Tobacco Trail

- 500,000 annual trips
- \$6.1 million annual trail user spending



BRIDGING THE GAP Economic, Health, and Transportation
Impacts from completing a critical link in
a 22-mile rail trail

A BEFORE AND AFTER STUDY EXAMINING THE
EFFECT OF A CONNECTIVE BRIDGE ON USE OF THE
AMERICAN TOBACCO TRAIL IN THE TRIANGLE REGION
OF NORTH CAROLINA



Promote Significant Trail Systems

Regional & Statewide Trails

Explore a whole region of North Carolina or even the entire state by using a few of the statewide and regional trail systems. The Mountains-to-Sea State Trail, East Coast Greenway, and Carolina Thread Trail are all currently under development, but the completed sections are open for use. These trail systems seek to connect existing greenways and to offer an expanded trail network that allows for the exploration and appreciation of nature.

the **GREAT TRAILS STATE**

*A Guide for
Exploring the Trails
of North Carolina*



MOUNTAINS-TO-SEA STATE TRAIL

www.ncmountainstosea.org

The Mountains-to-Sea State Trail (MST) is a continuous off-road trail that will stretch about 1,000 miles from the Great Smoky Mountains to Jockey's Ridge State Park on the Outer Banks. The trail is a charming mixture of natural surface through remote wilderness and paved greenways through cities and towns, representing the diversity of North Carolina. Over 600 miles are already developed and in use.



EAST COAST GREENWAY

www.greenway.org

The East Coast Greenway is a shared-use trail system that will provide a continuous route along the eastern coast from Canada to Florida. In North Carolina, the current route runs through the Triangle, Sandhills region, Fayetteville, and the Cape Fear River. Currently, about twenty-five percent of the trail is on traffic-free greenways in NC, offering safe and accessible corridors for users of all abilities and ages.



CAROLINA THREAD TRAIL

www.carolinathreadtrail.org

The Carolina Thread Trail is a regional network of over 220 miles of greenways, blueways, conserved corridors, and trails that connect 15 counties and two states. The vision for the Carolina Thread Trail originated from a regional process that identified open space preservation as a top priority. Activities offered along this trail include hiking, biking, and paddling.

Thanks!

