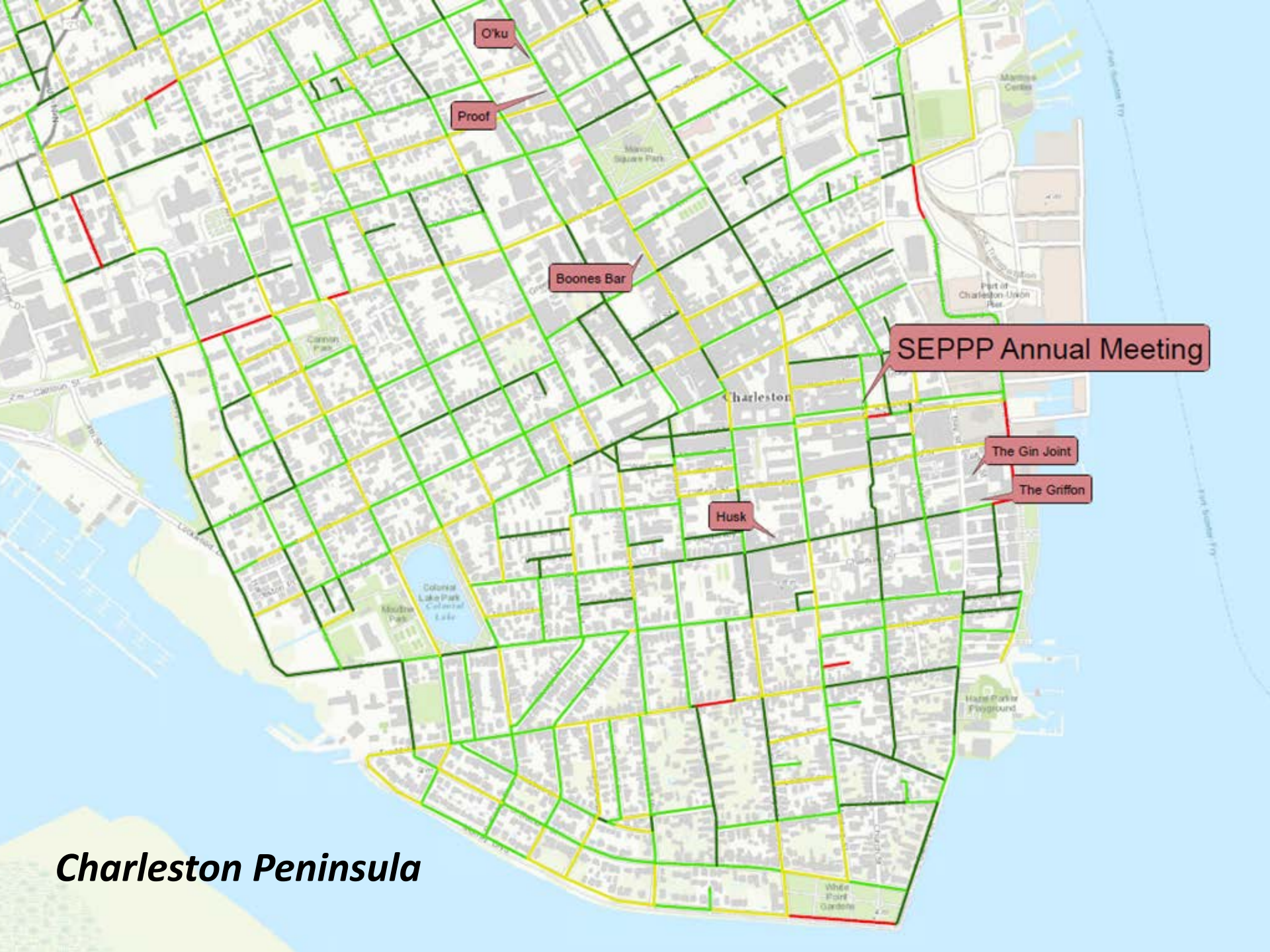


Charleston County, SC

Richard Turner
Pavement Manager

Atlantic
Ocean



Charleston Peninsula

Charleston County Statistics

- 16 municipalities (3 of 4 largest cities in SC)
- County PMS includes approximately 1787 miles of paved roads (state & local)
- Nearly 4.5 million visitors each year
- Nearly 100 miles of coast line



Pavement Management History

Early 1990's

- Charleston County Implemented the first Pavement Management System

1995

- Began use of Pavement Management Software to manage road system and maintenance plans

2005

- Began use of our current PMS software, CarteGraph.

2009

- Switched from manual to automated data collection and completed a full survey by use of a consultant.

2014

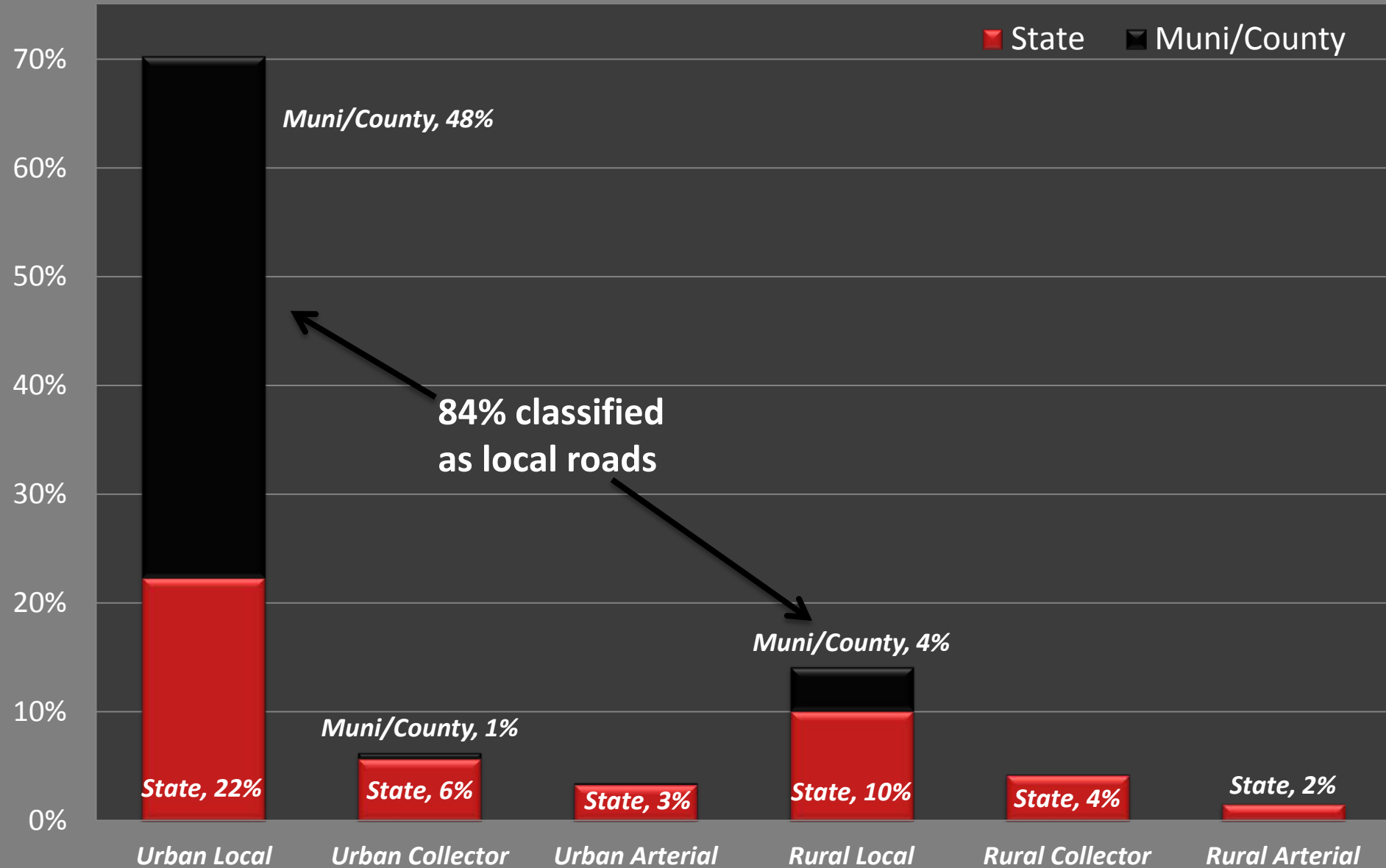
- Completed a new Pavement Condition Survey to update the system.

Program Strengths

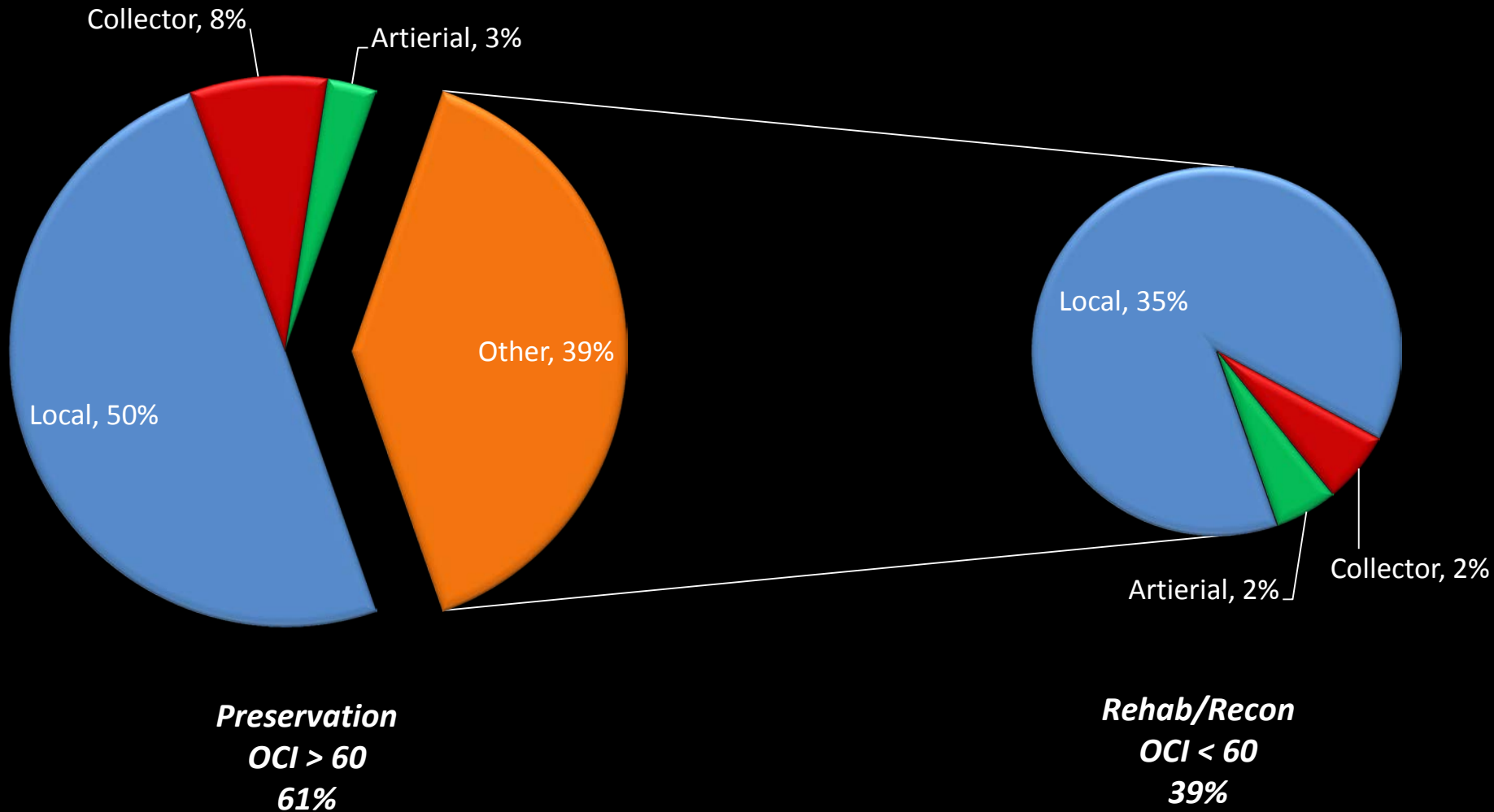
- History
- Funding Sources
- Strong partnerships with local municipalities and SCDOT
- In-house management & inspection staff
- Strong outreach program
 - PMS Website, TV show, social media, publish articles, street signs & door flyers



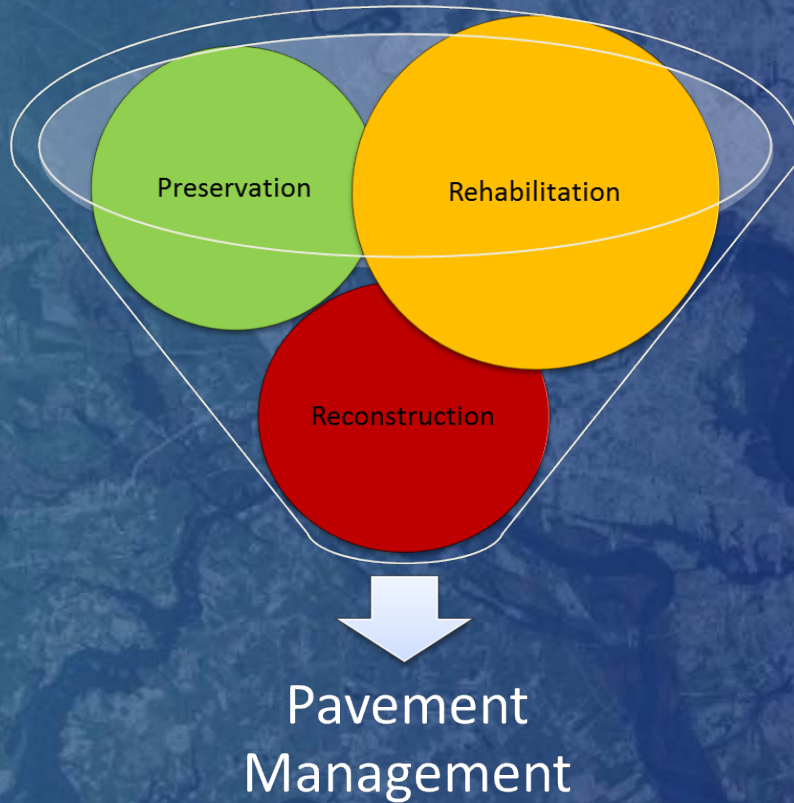
State vs Muni/County Roads



Breakdown of Roads by Classification



Projects

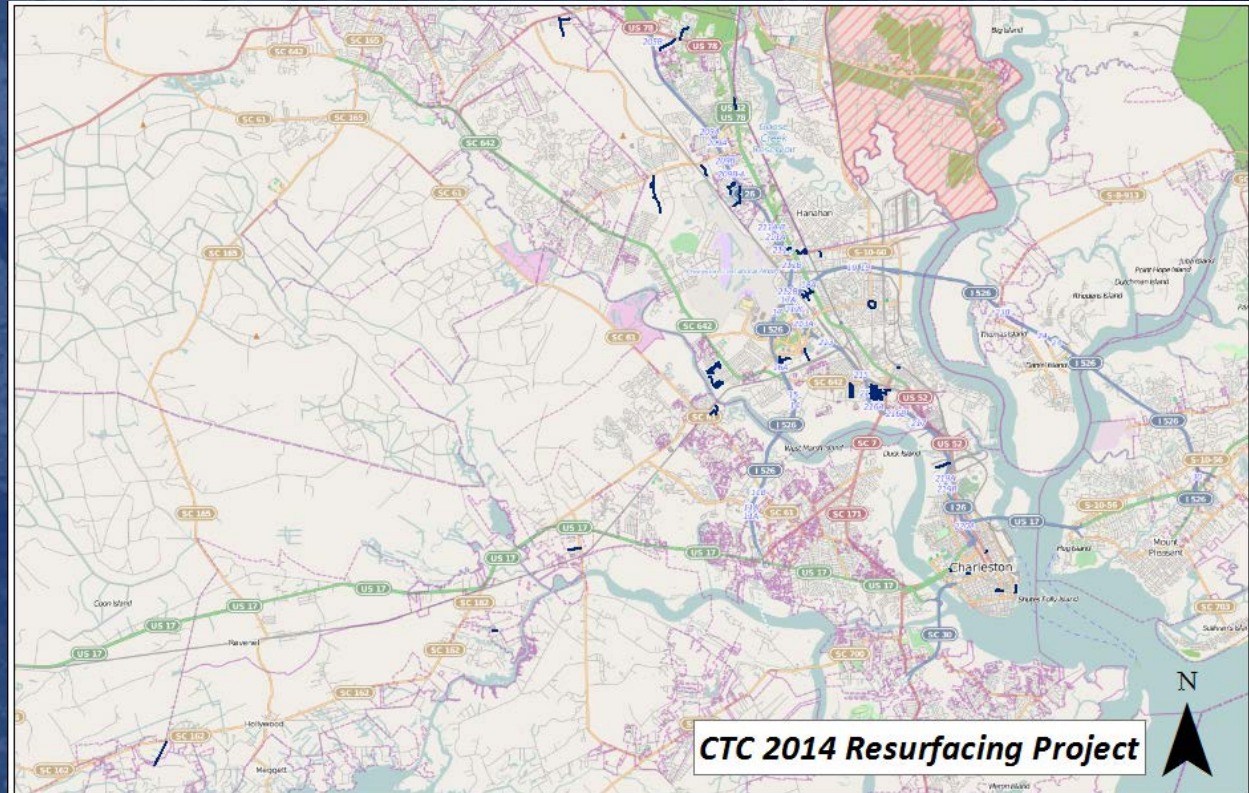


Annual contracts include:

- 2 - rehab/recon
- 1 - Microsurfacing
- 1 - asphalt rejuvenation

FY 2014 Rehab/Recon Projects

- Planned resurfacing of 32 miles of roadway.
- Estimated Cost Lane/Mile = \$86,034



Ultra Thin Overlay

- Completed 1st project in 2012 with approx. 7 miles of road
- Utilized annually as part of rehab/recon projects
- Estimated Cost Lane/Mile = \$40,000



Microsurfacing Projects

- Completed 1st Microsurfacing in 2011 with approx. 200,000 SY
- Partnered with SCDOT to complete 412,000 SY in 2013
- On schedule to complete approximately 390,000 SY in 2015 (2 contracts)



Asphalt Rejuvenation Projects

- Completed pilot project with 5 test sections in 2012
- Completed 275,000 SY in 2013
- Completed 460,000 SY in 2014
- On schedule to complete approximately 210,000 SY in 2015



Pilot Projects

- **Fog Seals**

- Completed two pilot projects
- One pilot project planned for this spring

- **FiberMat**

- Under contract to complete FiberMat this spring as an interlayer

- **Crack Seal**

- Combined with others treatments



Opportunities for Advancement



- Continue partnerships with SCDOT & local municipalities on match programs
- Partner with SCDOT, MWV & vendors to develop new specs, products and pilot projects
- Look for opportunities to develop research of pavement preservation techniques on local roads
- Develop a long term maintenance strategy that reduces the life cycle cost & provides a higher level of service

Questions?

You can contact me at:

202-6155

Or

rturner@charlestoncounty.org

Or visit our website at:

www.charlestonctc.org/pavementmanagement.htm

