



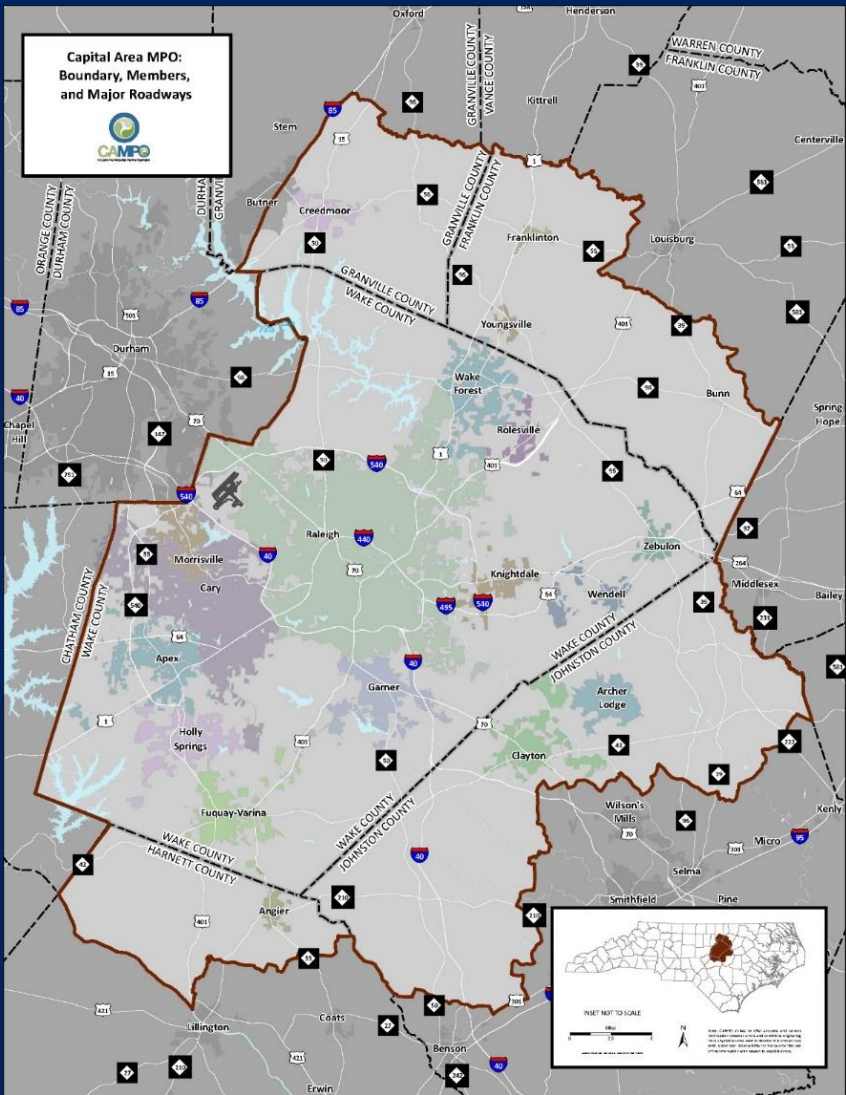
NC Capital Area **Metropolitan Planning Organization**

# Regionalization of ITS Western Wake Traffic Signal System Integration Study

March 17, 2021

Brandon Watson

[Brandon.Watson@campo-nc.us](mailto:Brandon.Watson@campo-nc.us)



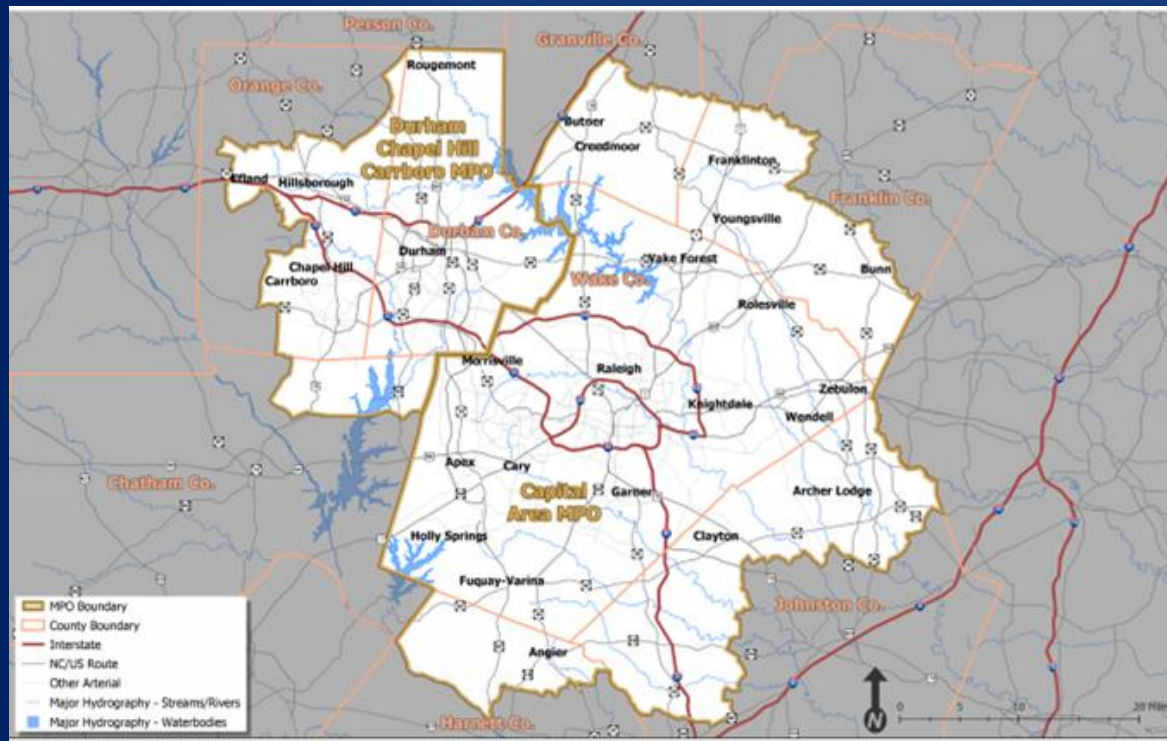
# CAMPO

- Elected officials and staff representing 5 counties and 19 municipal jurisdictions
- All of Wake and parts of Franklin, Granville, Harnett, & Johnston Counties
- Combined 2017 population of 1.27 million (12% of NC)

[www.campo-nc.us](http://www.campo-nc.us)

# Triangle Region ITS Strategic Deployment Plan Update

- Updated in 2019
- Geography includes the combined areas of the Durham-Chapel Hill-Carrboro MPO (DCHC MPO) and the Capital Area MPO (CAMPO)
- Provides a framework and ITS strategy for the region



# Objectives and Major Study Efforts

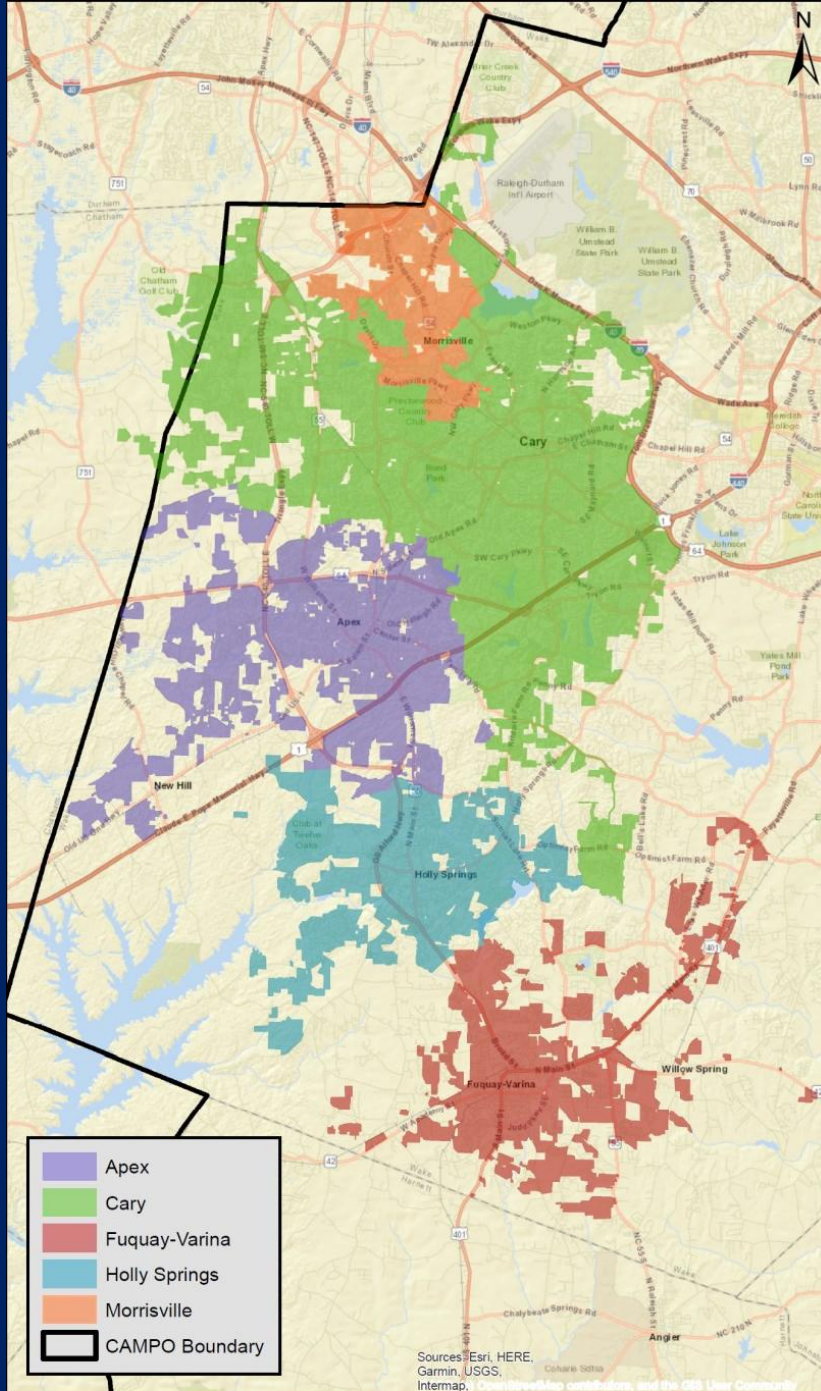


- Updated the Regional ITS Architecture
- Assessed current ITS deployment and identified gaps between current conditions and goals
- Assessed current state of the practice and emerging technologies
- Identified deployment recommendations



# Western Wake Traffic Signal System Integration Study Area

- Apex
- Cary
- Fuquay-Varina
- Holly Springs
- Morrisville
- NCDOT



# Study Objectives

- **Close coordination** between stakeholders
- **Infrastructure evaluation** of all signal systems within study area including technology, infrastructure, user access, and software
- **Peer reviews** of recent similar signal system integrations
- **Detailed guidance, including a guidebook**, on the integration of traffic signal systems and the implementation steps or studies needed to apply to other areas in the region
- **Funding review**, including review of all funded ITS Projects and identification of other funding sources
- Any necessary templates for **agreements or MOUs** needed between jurisdictions and/or NCDOT

# Study Implementation



- Project Team: Exult Engineering, Kimley-Horn, and Dewberry
- 3 stakeholder groups involved
  - Core Technical Team – Technical staff
  - Study Oversight Team – Manager level decision-makers
  - Regional ITS Working Group – Ongoing regional group
- Project team is currently working on
  - Data collection and existing technology and infrastructure evaluation
  - Peer Review
- First Core Technical Team Meeting is March 25, 2021