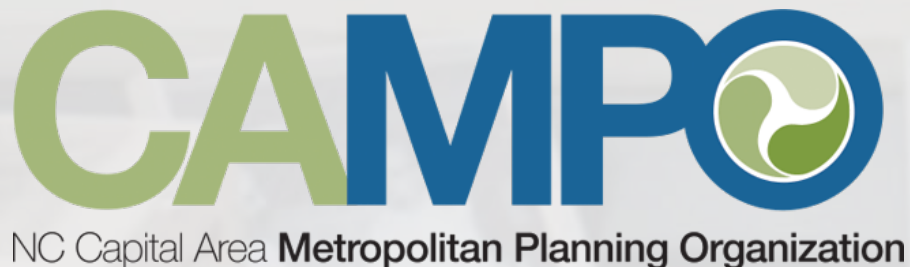


Triangle Region Intelligent Transportation Systems Plan Update

Stakeholder Kick-Off Meeting

May 18, 2018



Format of Today's Meeting

- Introductions
- History and Background
- Expectations—Of the Plan, Of the Process, Of the Stakeholders
- Composition & Roles—Stakeholder, Technical Team, and Core Team
- Open Discussion of Local Issues and Sensitivities
- Critical Dates Next Steps

What we want to get out of today

- Convey history and background
- Set Expectations
- Set Up Process Framework
 - Smaller technical team for quick feedback
 - Potential need for specific issue groups—transit, first responders, etc
- Hear back from you—is anything missing or otherwise not what you expected?



INTRODUCTIONS

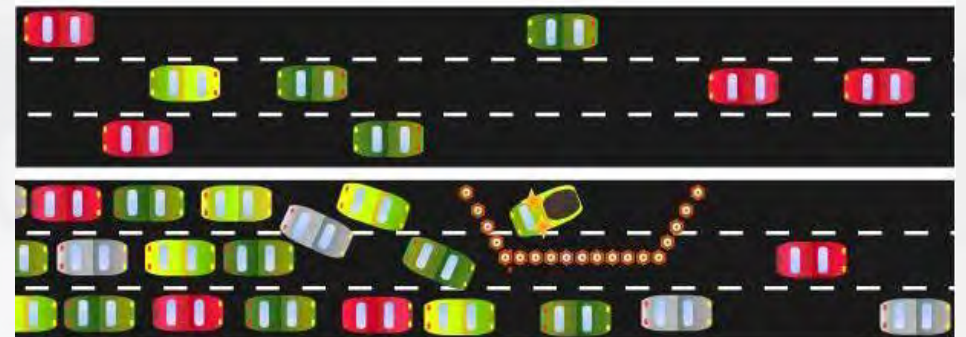
- **Who You Are**
- **Who You Represent**
- **How You Use ITS**
- **Lunch Plans**



HISTORY & BACKGROUND:

What is an Intelligent Transportation System

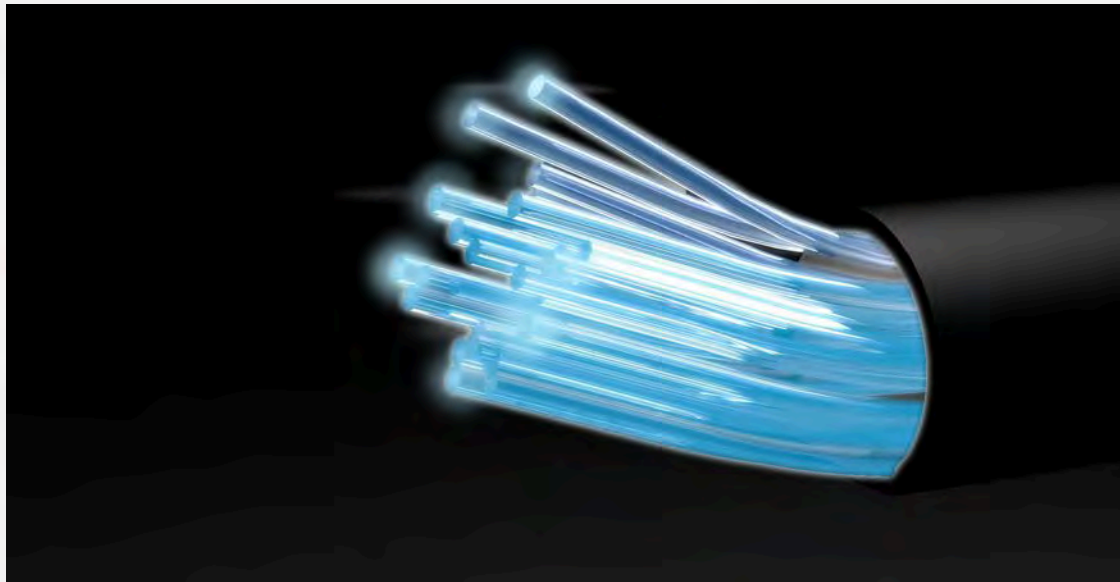
- Gathers information electronically through sensors and data sources about
 - Traffic conditions
 - Transit schedules
 - Multimodal travel
 - Freight delivery
 - Emergency and incident response
 - Traveler information



HISTORY & BACKGROUND:

What is an Intelligent Transportation System

- Delivers information to operators, travelers, and decision-makers about the transportation system
- Leverages communications systems (fiber/wireless)



HISTORY & BACKGROUND:

What is an Intelligent Transportation System

- Transportation systems use information to improve traffic conditions, minimize delays and increase safety
 - Arterial and freeway applications
 - Smart phone applications
 - Vehicles as data collectors



HISTORY & BACKGROUND: The Existing Plan

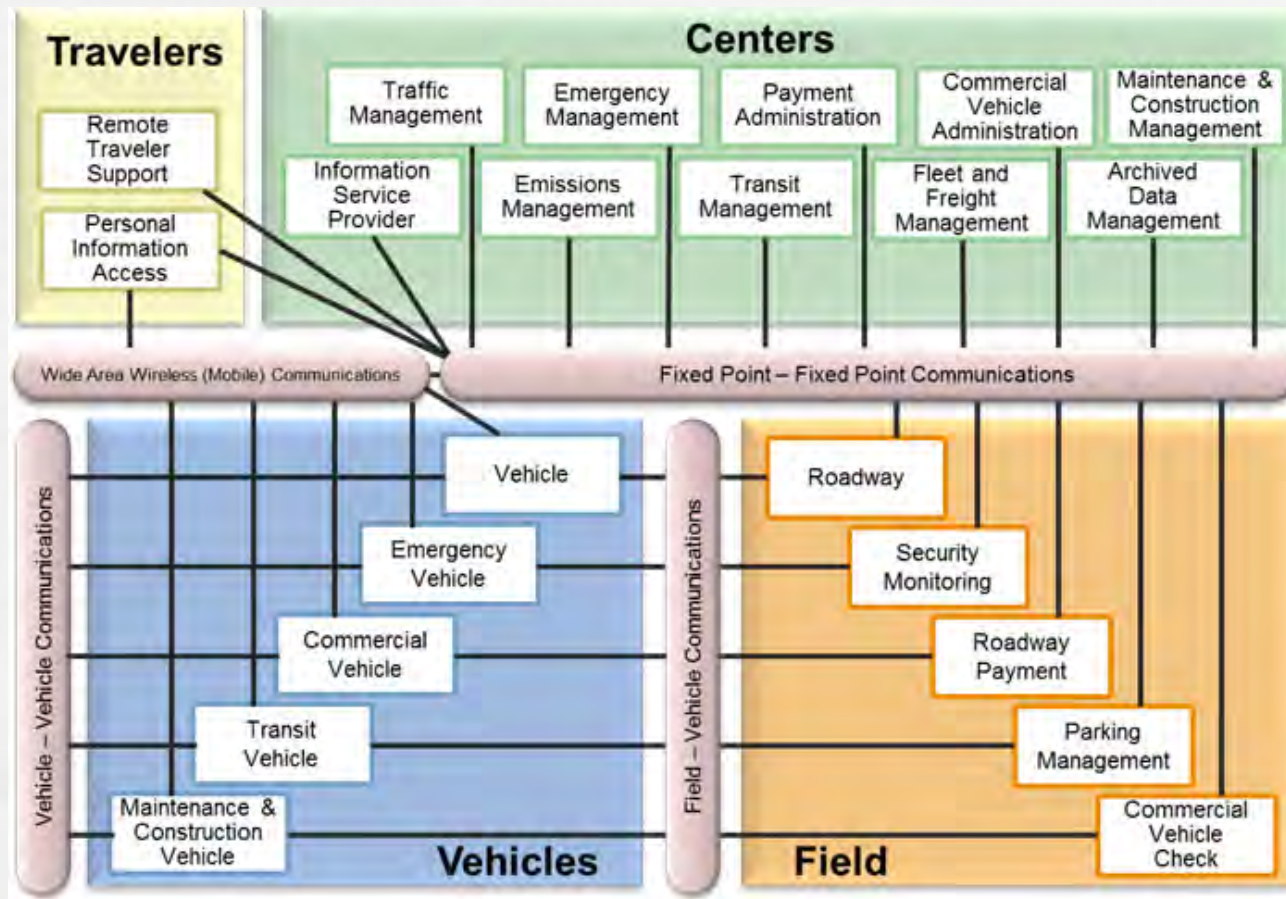
- Completed in 2010
- Defined Objectives, Performance Measures, identified gaps
- Developed strategies, an overall architecture and a process for project deployment
- Why now?
 - Technologies have advanced
 - New data architecture



EXPECTATIONS

- Defining “Intelligent Transportation System” for the region (to be part of open discussion at the end of this review)
- Purpose and intended outcomes of the plan
- Schedule, scope and objectives, priorities, work products, project management, and reporting procedures

EXPECTATIONS: Purpose and Intended Outcome



Update 2012 CAMPO ITS Architecture and Deployment Plan

- Maintain FHWA Rule 940 Compliance for Architecture and Standards
- Reflect current conditions and needs in region

EXPECTATIONS: Purpose & Intended Outcome

Based on the RFP and Contract:

- Identify new needs and opportunities
- Identify gaps between current conditions and needed services
- Update ITS architecture to address new needs & reflect existing conditions
- Recommend new technologies and services to be deployed in the region
- Develop a worksheet-based tool to rank ITS projects for funding



EXPECTATIONS: Purpose and Intended Outcome

The Housekeeping Part:

- Schedule – All services completed by June 30, 2019
- Objectives – Update to current architecture and standards, identify gaps and opportunities
- Deliverables– Report document, web-based architecture outputs, recommended projects for future deployment with estimate costs for deployment
- Project management – VHB is the team lead, Paul Black is project custodian. Once underway, staff from the technical teams will coordinate directly with stakeholders and core team members directly as needed.
- Reporting procedures
 - Reporting of intermediate findings
 - Core stakeholder group vs. the full stakeholder group



SCHEDULE: THERE IS A LOT GOING ON

There is a lot to do by June of 2019

Plan Objectives

- Old Architecture to New Architecture
- Identify Gaps
- Identify Opportunities
- Meet Federal Requirements



Project Deliverables

- The actual plan document
- Web-based architecture outputs
- Recommended projects for future deployment (with estimated costs for deployment)



STAKEHOLDERS AND TECHNICAL TEAM

- Stakeholders—All of us; may only meet once or twice more
- Core Team—A subset of stakeholders for quick turnaround feedback and progress review at intervals throughout the project
- Technical Team—Consulting and MPO Staff working on the plan
- Project Managers—Consulting lead and funding agency leads

Stakeholders and Core Team

Importance to the process

- Best local knowledge base
- What's working and what isn't
- Most insight on local funding restrictions and opportunities
- Familiar with local objectives
- Five stakeholder interviews

Full Stakeholder Group

- Only meet for key milestone presentations (three meetings proposed)

Core Team

- Smaller advisory group for the technical team
- Liaison with the full stakeholder group
- Meet more frequently than the full stakeholder group (proposed monthly, but only as needed)



Technical Team

VHB Engineering NC, P.C.

- Jody Lewis
- Cheryl Lowrance
- Taruna Tayal

Iteris

- David Binkley
- Cliff Heise
- Siavash Ashkiani

ICF

- Rachel Ostroff
- Deepak Gopalakrishna
- Beverly Bowen

Each firm will have additional task leaders that will provide support to the team throughout the duration of the project. The support staff will attend subsequent stakeholder and core team meetings as necessary to present findings and to provide support.

Project Managers

- Jody Lewis—VHB and consulting team lead
- Paul Black—CAMPO lead and overall Project Custodian
- Kosok Chae—DCHC lead
- Mark Eatman—NCDOT TPD lead



Project Roles

- Project Owners: CAMPO, DCHC MPO, NCDOT-TPD
- Consultants: VHB with Iteris and ICF
 - Gather information (workshops and interviews)
 - Develop ITS Architecture
 - Develop Deployment Plan
- Information Sources: Stakeholders (you)
 - Your needs
 - Your planned services
- Reviewers of Deliverables: Project Owners, Stakeholders (you)
 - Does the deliverable reflect/address your needs?

Core Team

Smaller focus group of stakeholders (Tech Team Proposal):

- FHWA
- CAMPO (Paul Black), DCHC (Kosok Chae), NCDOT-TPD (Mark Eatman)
- NCDOT
 - Central office and division offices
 - Freight planning
 - Maintenance
 - Incident Management
- Jurisdictions with TMCs and signal systems (Raleigh, Durham, Chapel Hill, Cary)
- Transit agencies (GoTriangle-Regional and Municipal System representation)
- NC Toll Authority
- Emergency Services (incident response representation)

DISCUSSION: EXPECTATIONS

- Anything not addressed you thought would be in the plan?

Feedback

- Based on the scope, are there adjustments we need to make?
- Can we set up the smaller technical working group?
- Anything else?

DISCUSSION: EXPECTATIONS (or how you can help the project today)

- Are there additional working groups or sessions that can be used for stakeholder interaction/data gathering?
- Who would need to attend those groups/sessions?

DISCUSSION: EXPECTATIONS (or how you can help the project today)

What are the primary transportation needs not addressed in the region that hinder users of the transportation system?

<< this would give us a start to focus workshop #1; 15 to 20 minute forum; it also gives them a flavor of what we're looking for.>>

Thank You & Enjoy Your Lunch

