

2017 Spring NCMUG Meeting

Wednesday, April 26, 2017
10:00 a.m. – 12:00 p.m.

Room Colonial – C / First Floor
New Bern Riverfront Convention Center, 203 S. Front Street, New Bern, North Carolina 28560

Agenda

Moderator: Joe Schirripa, NCDOT

- **INTRODUCTION**
- **SMALL URBAN AND RURAL MPO MODEL ADOPTION GUIDELINE**
NCDOT Model Adoption Guideline for Small Urban MPOs and RPOs (15 minutes)
Amar Pillai, NCDOT

Learning Objectives:
 - What constitutes the official travel demand model?
 - Geographic coverage of current travel demand models in NC
 - What is the process of approval/re-approval of an official travel demand model?
 - Who are the model custodians?
- **INDIRECT AND CUMULATIVE EFFECTS (ICE) ASSESSMENT**
Monroe Expressway ICE and Regional Model Assessment (30 minutes)
Bradley Reynolds, HNTB, Raleigh, NC

Learning Objectives:
 - Brief overview of Monroe Expressway.
 - Regional travel demand model and socioeconomic data impacts on traffic forecasts.
 - How regional models and socioeconomic data can inform the ICE and project development process.
- **TRANSIT PLANNING USING FTA STOPS MODEL**
Chapel Hill BRT Study and Application of STOPS Model (30 minutes)
Jay Evans, P.E., AICP, Feng Liu, Ph.D., Dilya Askaroff, Ph.D., Cambridge Systematics, Inc.

Learning Objectives:
 - Briefly familiarize the audience with the North-South Corridor Alternatives Analysis Study.
 - Provide a brief introduction to the FTA STOPS model.
 - Discuss key inputs and approaches to using the FTA STOPS model for this project.
 - Present an overview of the forecasts and sensitivities.

- **AUTONOMOUS VEHICLE TRAVEL – OVERVIEW AND PLANNING (45 MINUTES)**
NCTA’s USDOT Automated Vehicle Proving Ground Designation (10-15 minutes)
Dennis Jernigan, PE, North Carolina Turnpike Authority

Learning Objectives:

- General AV Technology Overview
- What is the USDOT AVPG designation?
- What is the role of NCTA, NCDOT and partners?
- What are future outcomes or benefits of the AVPG designation?

NCDOT Autonomous Vehicle Roadmap Policy (10-15 minutes)

Joseph E. Hummer, PhD, PE, Staff Engineer, NCDOT Mobility and Safety Division

Learning Objectives:

- Autonomous vehicles are coming soon.
- They will mean huge changes to many aspects of society.
- State government will have a big role in the implementation.
- The road map described in this presentation is the first step by North Carolina in planning for this change.
- The road map calls for a program manager, three working groups, seven broad initiatives, and 27 particular activities within those initiatives.

Autonomous Vehicle Related - Open Discussion/Q&A (15-25 minutes)

Other Notes:

Two (2) PDHs can be earned at the meeting (roster sheet & forms will be provided).