2016 Spring NCMUG Meeting

Wednesday, May 11, 2016
10:00 a.m. – 12:00 p.m.
Triad Ballroom West, Greensboro Downtown Marriott
304 N. Greene Street, Greensboro, North Carolina 27401

Agenda

Moderator: Joe Schirripa, NCDOT

- **INTRODUCTION**

- **MODEL OUTPUT VISUALIZATION**

  Using Data to Help Tell the Story: Emerging Trends in Data Delivery and Analysis Tools and Techniques to Improve Model Resolution (30 minutes)
  Leta Huntsinger, Rhett Fussell, Kyle Ward, and Greg Macfarlane, WSP Parsons Brinckerhoff, Systems Analysis Group

  Learning Objectives:
  - ➢ Value of graphics in understanding and solving problems
  - ➢ New tools and techniques for visualizing data
  - ➢ New paradigms for document delivery

- **MODELING INTERSECTION DELAY**

  Intersection Delay Relationships in Travel Models – Minimum Recommendations and Deployment Challenges (30 minutes)
  Alan Horowitz, Professor Emeritus University of Wisconsin – Milwaukee and Proprietor AJH Associates

  Learning Objectives:
  - ➢ Volume-Delay Functions not perform acceptably at urban intersections
  - ➢ Case study: Wisconsin RADIUS models: HCM operational analysis procedure (manageable for even the largest MPOs)

- **MODELING INTERSECTION DELAY - CONTINUED**

Incorporating Intersection Delay in Subarea Travel Demand Modeling (30 minutes)
Feng Liu, Ph.D., Principal and Regional Manager, Cambridge Systematics, Inc.

Learning Objectives:
➢ Incorporating intersection delays in the sub-regional models
➢ Comparison of two approaches to incorporating intersection delays
➢ Fairfax County Case Study

Modeling Intersection Delay (30 minutes)
Vincent Bernardin, PhD, Director, Travel Forecasting Group, Resource Systems Group, Inc.

Learning Objectives:
➢ Background/Motivation for modeling intersection delay
➢ Key Issues related to use of explicit intersection delays in static assignment
➢ Brief Overview of Common Approaches
➢ Summary of Pros and Cons by Approach (by key issue from above)

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