



SIMCAP User Group Meeting – March 18, 2010

Traffic Engineering Conference Room, NCDOT, Garner



AGENDA

9:30 AM – 9:45 AM	Registration
9:45 AM – 10:10 AM	Welcome - Kevin Lacy, NCDOT 2007 SIMCAP User Survey Results - Bastian Schroeder, ITRE 2010 NCDOT Capacity Analysis Guidelines - Jim Dunlop, NCDOT
	Jamie Sloboden, RS&H
10:10 AM – 10:40 AM	Using CORSIM to Evaluate HOT Lanes in South Florida - In an effort to improve mobility, FDOT constructed HOT Lanes on I-95 in Miami-Dade County. This presentation will discuss the 95 express project and the micro-simulation analysis techniques using CORSIM simulation software.
10:40 AM – 10:45 AM	Break
	William Reynolds and Anxi Jia, ITRE
10:45 AM – 11:15 AM	DYNASMART-P: A Mesoscopic Approach to Network Strategy Testing - The presentation will provide a brief introduction to DYNASMART-P, DYNUS-T, and DTA Lite, and outlines recent improvements to the DYNASMART-P package. Use of the GUI, network setup procedures, as well as bottleneck identification methods will be outlined. Finally, two case studies (freeway reversible lanes and user information) will be described in detail.
	Jim Dunlop, NCDOT, Becky Haley, ITRE, and Radha Krishna Swayampakala, RS&H
11:15 AM – 12:00 PM	Alternative Intersections - Practical Applications - This topic will cover alternative intersections that are either under design, under construction or operating in NC. Jim Dunlop will provide an overview of the first quadrant left-turn interchange under construction in the country - Huntersville. Jim and Becky will share the ongoing research on operational and safety benefits of superstreets. Radha will discuss the first Diverging Diamond interchange in NC – Concord.
12:00 AM – 12:45 PM	Break and Box Lunches
12:45 PM - 1:15 PM	Nabeel Akthar, City of Charlotte Measure Of Effectiveness in VISSIM
1:15 PM - 1:30 PM	Break
	Craig Scheffler, HNTB and Bastian Schroeder, ITRE
1:30 PM - 2:00 PM	Comparison of Modeling Approaches – VISSIM vs. FREEVAL – I-40 Widening – This presentation will contrast two approaches for evaluating the operational effect of freeway work zones for "significant" project, which are expected to have a high impact on the traveling public. Craig will describe his efforts of using VISSIM, while Bastian will discuss use of the FREEVAL. The joint presentation will include a discussion of the level of effort, data needs, and an assessment of the predicted operations during the work zone, with an emphasis on the differences between the two modeling approaches .
	Mike Reese, Nabeel Akthar, Bastian Schroeder, William Reynolds, and Jamie Sloboden
2:00 PM - 3:00 PM	Roundtable Discussion - Experts Advices, Q&A - Mike will share Tips & Tricks about modeling Superstreets in Synchro, Jamie will talk about CORSIM applications, Nabeel/Bastian will discuss VISSIM innovations and Wil/Anxi will share DynaSmart potential applications in NC.
3:00 PM - 3:15 PM	Adjourn