

Simulation Modeling Subcommittee

Progress Report for Task 3 January 2005 Conference Planning

1. Proposed Conference Session Title “Innovation in Freeway Simulation”
2. The purpose of the Conference Session is to promote and advance the goals of the subcommittee to foster, provide good examples, and promulgate high-quality applications of traffic simulation models to freeways as well as to outreach to freeway practitioners.
3. To achieve that the Task Group will solicit presentations from targeted perspectives to achieve a balance of the following:
 - Federal perspective
 - State Perspective
 - Academic perspective
 - Practitioner perspective
4. The responses received will be screened to insure that a wide range of topics is covered including:
 - Research applications of simulation
 - project applications
 - Before and after evaluation
 - evaluation of unique elements (ramp metering, weigh-in-motions, toll plazas, HOV systems) in addition to freeway corridor applications.
5. As a starting point the following authors who submitted abstracts for last year conference session will be contacted to see if they are still interested in being considered for a possible session in 2005. They will also be asked to submit an updated abstract

Name	Association	Location	Model Type				Summary
			Study	Project	Custom	Commercial	
Jochen Harding	University	Germany	X		X		Development of new model Multivariate model for speed curve
Hesham Rekha	University	Virginia	X		X		
Zong Tian	TTI	Theoretical	X			Vissim	mainline/ramp metering
David Petrucci	Consultant	Delaware		X		Corsim	Mainline ETC evaluation
Dolf May	University	San Francisco		X		FREQ	HOV lanes and priority entrance

6. The Task Group will also solicit topic ideas from the following Freeway Operations members
 - a. Lou Neudorff and Brian Smith who are working on a inventory of freeway simulation models
 - b. Panos Prevedouros and Bill Halkias who are planning to undertake a high-quality simulation application
 - c. George Saylor who has expressed concerns about simulation modeling from a partitioners point of view
7. The Task Group will also solicit additional topic ideas from the Freeway Operation Committee members before the mid-year meeting.