

**SIMULATION MODELING SUBCOMMITTEE
TRB FREEWAY OPERATIONS COMMITTEE**

Action Plan

Task 1 - Identify and Review Recent Freeway Applications of Simulation Models

The goal of this task is to identify and review recent freeway applications of simulation models, with particular focus on application quality and orientation of the work to the Freeway Operations Committee. This document describes the actions to be taken to accomplish this inventory and review.

This task will be undertaken in 2 phases:

1. Inventory
2. Review
 - a. Compilation of review team
 - b. Review of simulation applications

The focus of the activity in the period of April 1 – July 31 will be on the inventory phase. The inventory will be collected based on the following activities:

- a. Email to committee membership requesting information on recent freeway applications of simulation models {draft text of email is included on page 2 of action plan}
- b. Review results of survey conducted by George Saylor. Follow-up with respondents to survey to attempt to identify specific applications of simulation models.
- c. Update CalTrans inventory of freeway simulation application in California (Dolf May has volunteered to do this – expected completion date: May 2004)
- d. Review recent TRB papers to identify quality freeway applications of simulation models.

Draft Email to Committee Membership:

On March 19, 2004, you received a request from committee chair, Pete Briglia, to participate in a survey on the use of simulation models. In addition to the general information and lessons learned addressed in this survey, the Simulation Modeling Subcommittee is also interested in gathering information about specific applications of simulation to freeway operations. In other words, we would like to know about specific projects or initiatives in which you used simulation modeling as an important tool.

We request that you send information concerning such projects to subcommittee member Brian Smith (briansmith@virginia.edu). In particular, the information we request includes:

- Project description
- Role of simulation modeling
- Reports/Results (if available)

Thank you for your assistance.