



CAMBRIDGE
SYSTEMATICS

Think  Forward

Aimsun Model Review Training

Day 1: Introductions

Caltrans On-Call Traffic Simulation Training

presented to

Caltrans District 7



presented by

Cambridge Systematics & Aimsun

Keir Opie

Laura Torres

Introductions

- Instructors
- Workshop Participants
- Workshop Format
- Attendee Expectations

Project Background and Objectives

- **Senate Bill (SB) 375 (Sustainable Community), SB 743 (CEQA Reform), and SB 391 (California Transportation Plan)** require a more robust quantitative and analytic evaluation to describe the relative performance of transportation policies, strategies, and programs.
- **SB 1, now in force;** Caltrans will be collaborating with regional partners to identify and develop fixes for key corridors, which cannot be analyzed using static methods alone.
- **On-call traffic simulation training** will enable Caltrans to meet the mandate of these bills by educating Caltrans staff about how to perform complex analyses of our facilities for critical planning, operations, and capital improvement projects using the latest generation of traffic analysis tools.

Participants

- History with Aimsun
- History with simulation (which tools)
- What you hope to gain from this training?
- Anything else we should know about you?

Workshop Format

- Not a normal Aimsun Training Course
- Covers some Aimsun basics, but focuses on model review aspects
- Mixture of information and hands on with software
- Questions welcome – please interrupt!

Agenda

➔ Day 1

Topic	Presenter	Start Time
Introductions & Agenda	Keir	7:30 AM
GUI Overview	Laura	8:00 AM
Macro/Meso/Micro	Laura	8:30 AM
Break		10:00 AM
DTA Overview	Keir	10:15 AM
Outputs	Laura	11:15 AM
Lunch		11:45 AM
Traffic Management	Laura	12:45 PM
View Modes	Keir	1:15 PM
Scripting	Keir	1:45 PM
Break		2:15 PM
Review CheckList	Keir	2:30 PM
Adjourn		3:30 PM



Agenda

➔ Day 2

Topic	Presenter	Start Time
Reviewing a Model Network	Keir	7:30 AM
Reviewing Model Setup	Keir	8:30 AM
Running Replications, Visual Checks	Keir	9:00 AM
Break		10:00 AM
Reviewing Calibration	Keir	10:15 AM
Lunch		11:30 AM
Other Topics – Open Q&A	Keir & Laura	12:30 PM
Adjourn		3:30 PM

