

2008-2009 Traffic Signal Engineering Academy Courses

**Please note, lower prices are for employees of public agencies.*

Registration will be open at www.techtransfer.berkeley.edu by June 13, 2008.

Traffic Flow Principles for Practitioners

TE-27 * \$175 public agency rate / \$245 private/consultant * 0.80 CEU * Cassidy

April 15, 2009 * Los Angeles

May 12, 2009 * Sacramento

This course provides fundamental and practical knowledge on traffic flows, with emphasis on how to assess and improve these flows.

Traffic Signal Design

TE-02 * \$425 public agency rate / \$695 private/consultant * 2.40 CEUs * Chiu, Elias, Garfield, Palm

Oct. 21-23, 2008 * Fresno

Jan. 6-8, 2009 * San Bernardino

This course covers basic concepts, standards, and practices related to the design and installation of traffic signals, including those described in the *Manual on Uniform Traffic Control Devices (MUTCD)*, *The Caltrans Traffic Manual*, and *The Caltrans Signal and Lighting Design Guide*.

Signal Timing and Operations

TE-04 * \$ 225 public agency rate / \$325 private/consultant * 1.60 CEU * Kruger, Lum

Oct. 28-29, 2008 * San Jose

March 24-25, 2009 * Costa Mesa

This course covers the basic concepts, practical applications, and operations of traffic signal timing systems for isolated and coordinated intersections. A basic knowledge of Excel is needed to complete class exercises.

Advanced Traffic Signal Operations

TE-10 * \$325 public agency rate / \$475 private/consultant * 1.60 CEU * Bhattacharya, Kruger

Jan. 21-22, 2009 * Orange

May 19-20, 2009 * Sacramento

This study of advanced signal operations topics will enable you to develop and evaluate performance of two types of traffic signal coordination: time of day and traffic responsive systems. The advanced traffic adaptive system is also introduced.

Synchro and SimTraffic

TE-13 * \$325 public agency rate / \$475 private/consultant * 1.60 CEU * Bowman, Choa
Sept. 24-25, 2008 * Fresno

March 11-12, 2009 * Ontario

June 17-18, 2009 * San Jose

This beginning to intermediate computer lab training in Synchro and SimTraffic software is part of the Traffic Signal Engineering Academy. It should be mastered before taking courses in more advanced signal timing operation.

Type 170 Traffic Signal Controller

TE-08 * \$325 public agency rate / \$475 private/consultant * 1.60 CEU * Bloodgood,
Costa

Nov. 5-6, 2008 * Richmond

March 18-19, 2009 * Los Angeles

This hands-on course covers all key topics needed to understand the capabilities and uses of this widely-used controller, including hardware and software, communication protocols, programming signal timing plans, equipment maintenance, and troubleshooting.

Type 2070 Traffic Signal Controller

TE-09 * \$325 public agency rate / \$475 private/consultant * 1.60 CEU * McMullen,
Rastegarpour, Shupp

Feb. 10-11, 2009 * Richmond

April 28-29, 2009 * Los Angeles

This hands-on course provides working knowledge about the capabilities, uses, and operations of the Type 2070 controller, as well as how to program signal timing plans into the controller.

Construction Inspection of Traffic Signals

PD-02 * \$225 public agency rate / \$325 private/consultant * 1.60 CEU * Lesan, Palm
Sept. 16-17, 2008 * San Luis Obispo

Feb. 4-5, 2009 * Stockton

Traffic signal projects must comply with the specifications required by the *Caltrans Standard Plans and Specifications Manual*. This course provides training on best practices for the management and construction inspection of traffic signal systems.