



THE METROPOLITAN TRANSPORTATION COMMISSION  
PRESENTS A TECH TRANSFER SEMINAR ON  
**HCM 2010 & CA MUTCD 2012**  
**-Updates Relating To Arterials**

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**When:** Wed, March 21, 2012, 1 P.M. – 4:30 P.M.

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**Where:** MetroCenter Auditorium, 101 Eighth St., Oakland, CA - 94607

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**Cost:** FREE (Registration Required)

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**Registration Info:** Please register online before 5 P.M., Friday, March 16, 2012 by visiting this link:  
<http://mtctechtransfer.eventbrite.com>

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**Audience:** Traffic engineers (public agencies and private consultants), transportation planners, program managers, students and others interested in the seminar topics.

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## Overview

The seminar will provide a brief summary of the recent changes to the Highway Capacity Manual (HCM) 2010 and the California - Manual of Uniform Traffic Control Devices (CA MUTCD) 2012, and will focus specifically on those changes which are relevant for arterial operations.

### **I. Highway Capacity Manual (HCM) 2010**

The HCM 2010 incorporates a number of major changes from the 2000 edition that are relevant to the analysis of the performance of arterials. The most prominent change is the integration of LOS evaluations for pedestrian, bicycle and transit modes within specific facility chapters, where appropriate. For non-automobile modes, LOS is calculated through traveler perception models (non-operational factors), and/or other operational factors.

***Speakers:***

- **Richard Dowling** (Senior Principal Engineer, Kittelson & Associates, Inc.)

### **II. California - Manual on Uniform Traffic Control Devices (CA MUTCD) 2012**

The California Department of Transportation (Caltrans) adopted the California Manual on Uniform Traffic Control Devices (CA MUTCD) 2012 edition on January 13, 2012 to provide uniform standards and specifications for all official traffic control devices in California. The CA MUTCD 2012 supersedes and replaces the previously adopted CA MUTCD (January 21, 2010) as well as Chapters 4, 5, 6, 8, 10, 11, 12, and the traffic signals portion of chapter 9 of the 1996 Caltrans Traffic Manual. The revised CA MUTCD includes FHWA's 2009 MUTCD. The revision also includes all policies on traffic control devices issued by Caltrans since January 21, 2010, and other corrections and format changes that were necessary to update the previous documents.

***Speakers:***

- **Johnny Bhullar** (Editor, CA MUTCD, Caltrans HQ)
- **Einar Acuna** (Branch Chief, Signal Operations, Caltrans D4)

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**Please join us for this seminar on these important updates!**



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## AGENDA

INTRODUCTIONS.....	1:00 PM - 1:15 PM
<b>I. HIGHWAY CAPACITY MANUAL (HCM) 2010</b> (including Q&A).....	1:15 PM - 2:45 PM
Speakers:	
○ <b>Richard Dowling</b> (Senior Principal Engineer, Kittelson & Associates, Inc.)	
BREAK.....	2:45 PM - 3:00 PM
<b>II. CALIFORNIA - MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CA - MUTCD) 2012</b> (including Q&A).....	3:00 PM - 4:30 PM
Speakers:	
○ <b>Johnny Bhullar</b> (Editor, CA MUTCD, Caltrans HQ)	
○ <b>Einar Acuna</b> (Branch Chief, Signal Operations, Caltrans D4)	
ADJOURN.....	4:30 PM

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Please take the time to complete your Seminar Evaluation (printed on green paper in your packet) and leave it on the registration desk before you leave.

**Thank you!**