

# TRANSPORTATION SAFETY SEMINAR

## INTEGRATING QUANTIFIED SAFETY EVALUATIONS IN PROJECT PLANNING

Join safety experts from **Kittelson & Associates, Inc.** and **SLOCOG staff** for a three-part presentation on contemporary transportation safety evaluation practices.

### Part 1: Safety Analysis: How did we get here?

- Chasing Crashes (Black spot analysis)
- Traffic operations as a surrogate
- Nominal safety
- Tort liability and risk management
- Understanding the continuum of safety evaluations from reactive to proactive
- The evolution toward performance-based evaluations

### Part 2: What are the tools and how can use them?

- Overview of Highway Safety Manual principles and applications
- Range of tools from which to draw
- Modal considerations
- Scalability of safety evaluation applications
- Connections to Highway Safety Improvement Program (HSIP), Safe Routes to School (SRTS) and Vision Zero/Toward Zero Deaths policies

### Part 3: I'm from SLOCOG and I'm here to help.

- MPOs' role in regional safety planning
- SRTS: Capital Program and Education/Encouragement
- Roundabouts
- Transportation Safety Partnership Program
- What is your agency's approach to safety? Where do you want to be?
- How can SLOCOG be of most value to you?

### Objectives:

Attendees will understand the positive evolution of transportation safety evaluations from "nominal" safety measurements (dimensional standards) and "surrogates" (congestion) to quantified safety performance. The basis of the quantified safety performance discussion will be from the Highway Safety Manual, 1st Edition and FHWA safety concepts including systemic safety reviews. Attendees will learn the principles of performance-based evaluations, consider applications ranging from urban to rural, and be introduced to systemic safety evaluation concepts.

#### Brian L. Ray

Brian offers more than 30 years' experience in multimodal transportation planning, traffic engineering, and contextual roadway design. While known by many in California for supporting Caltrans in implementing roundabouts and supporting the development of the Intersection Control Evaluation (ICE) policy, his safety-related experience includes integrating safety into existing planning and design processes and projects. Brian is actively engaged in a number of Systemic Safety Analysis Report (SSAR) efforts in California.

#### Erin M. Ferguson

Erin has a diverse transportation engineering background including experience coauthoring and assisting in the production of the First Edition of the Highway Safety Manual (HSM) and is leading efforts to develop the Second Edition. She has developed and conducted workshops and webinars teaching practitioners how to use the tools in the HSM. Erin has conducted many types of safety analysis including road safety audits, and is leading a number of Systemic Safety Analysis Report (SSAR) efforts across California.

#### Date:

Wednesday, Nov. 1<sup>st</sup>

#### Location:

Caltrans District 5 Offices  
2885 S. Higuera Street  
San Luis Obispo, CA 93401  
Midway Building  
Sand Conference Room

#### Schedule – 10:00am to 3:00pm

10:00 Sign in Coffee and light snacks  
10:30 to 12:30 Presentation  
12:30 to 1:30 Lunch (Provided)  
1:00 to 3:00 Presentation

#### RSVP and Registration:

Jeff Brubaker/SLOCOG  
JBrubaker@slocog.org

AICP CM credits pending