

# Intersection Safety & Operations Assessment Process (ISOAP)

How to Use ISOAP to Identify the Optimal Solution & Infrastructure Investment

## A Free 2-Day Virtual Workshop

*\* ISOAP was adopted in September 2024 as an update to the Intersection Control Evaluation (ICE) \**

Workshop participants will learn how & why ISOAP:

- Has evolved to become a state-of-the-art alternatives analysis framework & type-selection tool
- Produces performance-driven investment decisions based on SAFE SYSTEM & other strategic goals
- Simplifies & supports the selection of innovative, well-proven but under-utilized solutions
- Does not usually require additional technical studies

Special Guest Presentations:

- *Affordable Roundabouts, Cities of San Diego & Modesto*
- *Making Intersections Safer for People who Walk & Bike, Dr. Bastian Schroeder, Ph.D. PE, author*
- *Saving Time, Money & Lives thru Performance-Based Intersection Evaluation & Design, Brian Ray of Sunrise Transportation Strategies*

**REGISTER HERE**

**2-Days: June 16-17, 12:30 to 4:30pm**

### DAY 1 TOPICS & LEARNING OBJECTIVES:

- Overview of ISOAP Framework: Stages, Steps, Activities & Results
- Role of SAFE SYSTEM Intersections & Interchanges (strategies)
- Affordable, Quick Build & Modular Roundabouts
  - Examples of flexible roundabout design
  - Performance-based Practical Design / Objectives for roundabouts
- Case Studies: When / how to conduct ISOAP Stages, Steps & Activities (part 1)
  - Screening to produce short-list of viable alternatives
  - Comparison of study results to identify / select the optimal strategy
  - Flexibility in the application of ISOAP, streamlining opportunities during project initiation, development & approval processes



### DAY 2 TOPICS & LEARNING OBJECTIVES:

- How to evaluate & meet Vulnerable Road User needs at Alternative Intersections
- Safety & Mobility Performance Assessment & Analysis
- Case Studies: When / how to conduct ISOAP Stages, Steps & Activities (part 2)
- How to accommodate Design Vehicles
- Challenges to the selection (implementation) of innovative solutions
- Exercises to demonstrate practical applications of ISOAP during various project initiation & project approval processes
- Q&A Forum
- Resources within / beyond Caltrans
- Summary & closing remarks

*This online training is hosted by the California LTAP and presented by the Caltrans Divisions of Traffic Operations, Safety & Design*