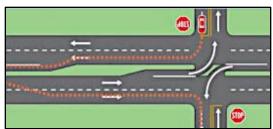
# **Intersection Safety & Operations Assessment Process (ISOAP)**

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:

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

## **Special Guest Presentations:**

- o Affordable Roundabouts, Cities of San Diego & Modesto
- o 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



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





### DAY 1 TOPICS & LEARNING OBJECTIVES:

- Overview of ISOAP Framework: Stages, Steps, Activities & Results
- o Role of SAFE SYSTEM Intersections & Interchanges (strategies)
- Affordable, Quick Build & Modular Roundabouts
  - Examples of flexible roundabout design
  - Performance-based Practical Design / Objectives for roundabouts
- o 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)
- o 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
- $\circ \quad \text{Resources within / beyond Caltrans}$
- o Summary & closing remarks