COURSE OUTLINE

Day 1

Introductions and Opening Remarks

- Instructor
- Workshop overview
- References and resources you need.
- The *Railroad Highway Grade Crossing Handbook* and other critical resources

Effective Crash Reduction Strategies

- Driver behavior at railroad crossings
- Design parameters for railroad crossings
- Safety improvements such as quad gates and arresting barriers
- Placement of median barriers on approaches to railroad crossings
- Application of queue cutter signals
- Use of pre-signals at railroad crossings
- Conducting railroad crossings diagnostics
- Railroad preemption sequence and timing of traffic signals
- Recommendations of the NTSB on traffic signal railroad preemptions
- Sight distance at railroad crossing
- Pedestrian crossings treatments across train tracks
- Design of bicycle crossings across train tracks
- Revisions to Part 8 of the CA MUTCD
IMPROVING SAFETY OF RAILROAD CROSSINGS & LIGHT RAIL SYSTEMS (TS-51)

COURSE OUTLINE (cont.)

Day 2

Opening Remarks

- Workshop overview
- References and resources you need.
- Best technical resources available on-street operations of light rail systems

Improving the Safety of On-Street Operations of Light Rail Systems

- Examples of Light rail alignments and configurations
- Pros and cons of the various alignment and configuration options
- Station locations and access
- Construction impacts of light rail on street operations
- Crash history of currently operating light rail systems
- What is being done to reduce conflicts between light rail vehicles and other road users
- Sign and striping for light rail corridors to provide guidance to all road users
- Special operation of traffic signals adjacent to light rail facilities
- Light rail lines at roundabouts and diverging diamond interchanges
- Treatments for pedestrian and bicycle crossings across light rail train tracks
- Revisions to Part 8 of the CA MUTCD relating to light rail street operations