

## 2 – Day Designing Streets for Pedestrian Safety

Class starts promptly at 9:00 and ends by 5:00 each day. Please arrive by 8:45 to register

### Introductions:

- Attendees explain their background and what they hope to learn.

### Planning factors that impact pedestrian safety:

- Land use; street connectivity; access management; site design; LOS;

### Sidewalk design elements that impact pedestrian safety:

- Basic sidewalk design: width, clearances, accessibility, the need for buffers
- Driveways& alleys: maintaining sidewalk continuity

### Street crossing principles:

- Principals of human behavior
- To provide safe, frequent and convenient crossings;
- midblock vs. intersection crossings

### Street crossings countermeasures

- Crosswalks: justification, applicability, crosswalk markings
- Improving crosswalks: illumination; beacons; signing; advance stop/yield lines
- Medians & islands: breaking long crossing into 2 steps
- Pedestrian signals: meeting warrants, innovative techniques
- Grade-separation: where it's applicable, why it fails, how to make it succeed

### Intersection geometry

- Size, radius, skewed intersections, curb extensions: reducing crossing distance
- Crosswalk placement: how to place crosswalks where they'll be used
- Islands; right turn slip lane design

End of Day 1

### Signalized Intersections

- Purpose and principles of traffic signals
- Pedestrian head and push-button placement
- Countdown pedestrian signals
- Signal timing techniques: restricting turn movements; Leading Pedestrian Interval (LPI); all ped scramble; ITS applications

### Freeway interchanges

- Their impact on pedestrian safety

### Roundabouts

- Proper design, essential pedestrian safety considerations

### Transit

- Bus stop location & design; pedestrian crossing safety;

### Road Diets

- Reducing street width enhances pedestrian safety without compromising capacity

### Prepare for field trip

### Field trip

### Problem solving / brainstorming policy changes

### Solutions and policy reports

### Selecting high priority policy changes

### Wrap-up: Your Next Steps