



(PL-11) Complete Streets Planning and Design

Course Outline

DAY 1

8:00 – 8:05 AM **COURSE INSTRUCTOR SELF-INTRODUCTIONS**

8:05 – 8:30 AM **STUDENT SELF-INTRODUCTIONS**

8:30 – 9:30 AM **1. COMPLETE STREETS POLICY & PLANNING OVERVIEW**

- What Are Complete Streets?
- History of Complete Streets
- California Policy Environment for Complete Streets
- Typical Local Policy Statements
- Caltrans' Policies for Complete Streets

9:30 – 9:45 AM **BREAK**

9:45 – 10:15 AM **2. NEW PLANNING PARADIGM**

- Climate Change
- Sustainability
- Shifting Demographics
- Changing Lifestyle Preferences
- Technological Advances
- Emphasis on Safety
- Public Health
- Induced Travel
- The Eight D's of Land Use and Transportation

10:15 – 12:00 NN **3. OPERATIONALIZING & IMPLEMENTING COMPLETE STREETS**

- Integrating Complete Streets with General Plans, Regional Transportation Plans (RTPs), the State Transportation Improvement Program (STIP), and the California Transportation Plan (CTP)
- Integrating Complete Streets with the Entitlement Process
- Caltrans Smart Mobility Framework
- California Strategic Highway Safety Plan (SHSP)
- Context Sensitive Solutions
- Layered Networks, Transects, and Street Typologies
- Level of Service (LOS) and Multimodal Level of Service (MMLOS)

12:00 NN – 1:00 PM **LUNCH**



The group will break for lunch. Students are on their own for lunch and may choose the destination of their preference.

1:00 – 2:30 PM **WALK AUDIT #1:** Field Audit for Neighborhood Walkability and Multimodal Travel Access

After lunch, the group will take a pre-planned walk along a focus corridor or to a focus neighborhood (courses will be hosted in walkable, urban areas).

2:30 – 3:00 PM **3. OPERATIONALIZING & IMPLEMENTING COMPLETE STREETS (CONTINUED)**

- Types of Bicyclists, Bicyclist Comfort, and Bicyclist Education
- Measuring Performance
- Office of Traffic Safety (OTS) Assessment Technical Assistance Program
- Barriers, Opposition, & Strategies to Address Issues

3:00 – 4:00 PM **GROUP EXERCISE #1:** Layered Networks and Roadway Cross-Sections
The instructors will lead the class in an aerial review of a representative downtown street network. Each participant will contribute to a group effort that will (1) develop a layered network of priority streets for various modes, and (2) prepare conceptual roadway cross-sections that respond to defined needs.

4:00 – 4:15 PM **COURSE EVALUATIONS**

4:15 – 5:00 PM **REFLECTIONS ON GROUP EXERCISE**

DAY 2

8:00 – 8:15 AM **4. DESIGN STANDARDS AND GUIDANCE**

- Design Standards, Manuals, and Guidance

8:15 – 10:00 AM **5. ROADWAY DESIGN CONCEPTS**

- Traffic Calming
- Road Diets and Travel Lane Width
- On-Street Parking
- Shoulder Width
- Pedestrian Facilities
- Bicycle Facilities
 - Traditional
 - Innovative
- Caltrans' Main Street Guidance – Main Street, California
- Transit Facilities
- Access Management
- Coordinating with Rehabilitation Maintenance



10:00 – 10:15 AM **BREAK**

10:15 AM – 12:00 NN **6. INTERSECTION AND CROSSING DESIGN CONCEPTS**

- Intersection Design Principles
- Signalized Intersection Treatments
- Interchange Design Concepts
- Roundabouts
- Uncontrolled Crossings

12:00 NN – 1:00 PM **LUNCH**

The group will break for lunch. Students are on their own for lunch and may choose the destination of their preference.

1:00 – 2:30 PM **WALK AUDIT #2:** Field Audit for Street Redesign for Walking and Multimodal
Travel Access

After lunch, the group will take a pre-planned walk along a focus corridor or to a focus neighborhood (courses will be hosted in walkable, urban areas).

2:30 – 4:00 PM **GROUP EXERCISE #2:** Developing Conceptual Layouts for Participant-Driven
Complete Streets Improvements

The instructors will solicit two active projects from participants for applied learning and facilitate development of real-time project enhancement opportunities with the class. This peer-to-peer learning mode will apply the design standards and guidance learned on Day 2 and identify issues and positive practices to develop conceptual layout modifications that can help participants deliver Complete Streets improvements for multiple transportation facility types (roadway, intersection, interchange, etc.).

4:00 – 4:15 PM **COURSE EVALUATIONS**

4:15 – 5:00 PM **REFLECTIONS ON GROUP EXERCISE**