

**(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)
- 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

**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 Multi-Modal 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 #1: Layered Networks and Roadway Cross-Sections**

The instructors will break the class into small groups of approximately five people to gather around pre-prepared large-scale aerials. Each group 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 REPORT-OUT FROM 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 Multi-Modal 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 of Complete Streets Improvements

The instructors will break the class into small groups of approximately five people to gather around pre-prepared large-scale aerials. Based on the design standards and guidance learned on Day 2, each group will identify issues and positive practices and develop conceptual layouts of Complete Streets improvements for multiple transportation facilities (roadway, intersection, interchange, etc.).

4:00 – 4:15 PM

**COURSE EVALUATIONS**

4:15 – 5:00 PM

**REPORT-OUT FROM GROUP EXERCISE**