
Construction Inspection of Traffic Signals (PD-02)

Course Outline

7:30 - 8:00 Registration

8:00-8:30 Introduction to Signal Inspection

- Self-Introductions
- The Role of Signal Inspection Video
- Class Outline

8:30 - 9:45 Plans and Specifications (Section One)

- Traffic Signal Plans – Main Components
- Resources and Design References
- Legends & Abbreviations
- General and Project Notes
- Phase Diagram
- Conductor Schedule
- Signal Equipment Schedule
- Signal Head Visibility

9:45 - 10:15 Interactive Exercise (Reading Plans)

10:15 - 10:30 Break

10:30 - 11:15 Design, Bids and Award (Section Two)

- Bid Documents
- Bid Opening and Award
- Insurance and Project Schedule
- Labor Law
- Project Tracking Documents
- Payments

11:15 - 12:00 Construction Sequence (Section Three)

- Scheduling
- Encroachment Permit
- Staging Materials and Personnel
- Mobilization

12:00 - 1:00 Lunch (on your own)

1:00 – 1:45 Construction Sequence (Section Three), continued

- Traffic Control Plans
- Workers Safety
- Utilities & USA

1:45 – 2:00 Interactive Exercise (Traffic Control Plans)

2:00 - 2:45 Traffic Signal Equipment (Section Four)

- Materials Submittals
- Signal Pole Foundations
- Conduits and Boxes
- Directional Drilling

2:45 - 3:00 Break

3:00 - 3:30 Traffic Signal Equipment (Section Four), Continued

- Cabinets
- Traffic Signal Wiring
- Traffic Signal Splicing

3:30 - 4:00 Detection Vehicles, Bicycle & Pedestrians (Section Five)

- Loop Detection
- Loop Wiring
- Video Detection
- Video Detection Setting
- Pedestrians Push Buttons
- Bicycle Detection

4:00 - 4:10 Course Evaluations

4:10 - 5:00 Communications and Project Final (Section Six)

- Copper Wire
- Radio / Wireless
- Fiber, Cellular & Leased Lines
- Inspector Daily Log
- Turn On- Planning and Execution
- Flashing Phases
- Punch List